

# ภาคผนวก ข-1

เงื่อนไขการสั่งจ้างผู้รับเหมาตามมาตรการป้องกัน  
และแก้ไขผลกระทบสิ่งแวดล้อม

ORIGINAL

Execution Version

CONSTRUCTION CONTRACT

FOR

GNRV1 PROJECT

BETWEEN

GULF NRV1 COMPANY LIMITED  
(OWNER)

AND

TOYO ENGINEERING CORPORATION  
(CONTRACTOR)

CONSTRUCTION CONTRACT

GulfNRV1 Company Limited

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CONSTRUCTION CONTRACT

EPC CONTRACT CONTENT

## ภาคผนวก ข-2

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ตรวจสอบผลกระทบสิ่งแวดล้อมของโครงการ ฉบับล่าสุด





ที่ GNRV2 O 0122/005

สำนักงานคณะกรรมการกำกับกิจการพลังงาน	
ประจำเขต 6 (นครราชสีมา)	
เลขที่รับ 0049	วันที่ 24 มค 65
เวลา 10.22	ผู้รับ N

Acknowledged Receipt

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Date 24.1.65

(For Admin Dep.)

20 มกราคม 2565

เรื่อง ขอนำส่งรายงานผลการปฏิบัติตามมาตรการที่กำหนดไว้ในรายงานการวิเคราะห์ผลกระทบด้านสิ่งแวดล้อม  
โครงการโรงไฟฟ้าหนองระเวียง 2 บริษัท กัลฟ์ เอ็นเนอร์จี จำกัด ครั้งที่ 2/2564  
(เดือนกรกฎาคม ถึง ธันวาคม พ.ศ. 2564)

เรียน เลขาธิการสำนักงานคณะกรรมการกำกับกิจการพลังงาน

สิ่งที่ส่งมาด้วย 1. รายงานผลการปฏิบัติตามมาตรการที่กำหนดไว้ในรายงานการวิเคราะห์ผลกระทบด้านสิ่งแวดล้อม  
โครงการโรงไฟฟ้าหนองระเวียง 2 บริษัท กัลฟ์ เอ็นเนอร์จี จำกัด ระยะดำเนินการ ครั้งที่ 2/2564  
(เดือนกรกฎาคม ถึง ธันวาคม พ.ศ. 2564) จำนวน 3 เล่ม  
2. แผ่นซีดีรอม จำนวน 3 แผ่น

ตามที่คณะกรรมการผู้ชำนาญการพิจารณารายงานการวิเคราะห์ผลกระทบสิ่งแวดล้อม โครงการด้านโรงไฟฟ้าพลังงาน  
ความร้อน ได้เห็นชอบรายงานการวิเคราะห์ผลกระทบสิ่งแวดล้อม โครงการโรงไฟฟ้าหนองระเวียง 1 ตั้งอยู่ในเขตอุตสาหกรรม  
สุรนารี ตำบลหนองระเวียง อำเภอเมืองนครราชสีมา จังหวัดนครราชสีมา เมื่อวันที่ 4 พฤศจิกายน 2559 โดยมีเลขที่ใบอนุญาต  
ประกอบกิจการผลิตไฟฟ้า เลขที่ กกพ 01-1(2)/60-225 โดยได้กำหนดให้โครงการจะต้องจัดส่งรายงานผลการปฏิบัติตาม  
มาตรการด้านสิ่งแวดล้อมต่อหน่วยงานราชการที่เกี่ยวข้อง เป็นประจำทุก 6 เดือน นั้น

บัดนี้ ทางบริษัท กัลฟ์ เอ็นเนอร์จี จำกัด ได้จัดทำรายงานผลการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบ  
สิ่งแวดล้อม และมาตรการติดตามตรวจสอบผลกระทบด้านสิ่งแวดล้อม โรงไฟฟ้าหนองระเวียง 2 ครั้งที่ 2/2564 (เดือนกรกฎาคม  
ถึง ธันวาคม พ.ศ. 2564) เสร็จสิ้นเป็นที่เรียบร้อยแล้ว ทางบริษัทฯ จึงใคร่ขอนำส่งรายงานดังกล่าวให้กับหน่วยงานของท่านและ  
ดำเนินการตามขั้นตอนต่อไป

จึงเรียนมาเพื่อโปรดพิจารณา

ขอแสดงความนับถือ



( นายปณัฏฐ์ เจียมเจริญกุล )

ผู้จัดการโรงไฟฟ้า

บริษัท กัลฟ์ เอ็นเนอร์จี จำกัด



Nong Ra Viang 2

ที่ GNRV2 O 0122/004

Acknowledged Receipt

(..........)

Date.....

(For  ๒๕๖๔)

20 มกราคม 2565

เรื่อง ขอนำส่งรายงานผลการปฏิบัติตามมาตรการที่กำหนดไว้ในรายงานการวิเคราะห์ผลกระทบด้านสิ่งแวดล้อม  
โครงการโรงไฟฟ้าหนองระเวียง 2 บริษัท กัลฟ์ เอ็นเนอร์จี จำกัด ครั้งที่ 2/2564  
(เดือนกรกฎาคม ถึง ธันวาคม พ.ศ. 2564)

เรียน ผู้ว่าราชการจังหวัดนครราชสีมา

สิ่งที่ส่งมาด้วย 1. รายงานผลการปฏิบัติตามมาตรการที่กำหนดไว้ในรายงานการวิเคราะห์ผลกระทบด้านสิ่งแวดล้อม  
โครงการโรงไฟฟ้าหนองระเวียง 2 บริษัท กัลฟ์ เอ็นเนอร์จี จำกัด ระยะดำเนินการ ครั้งที่ 2/2564  
(เดือนกรกฎาคม ถึง ธันวาคม พ.ศ. 2564) จำนวน 1 เล่ม  
2. แผ่นซีดีรอม จำนวน 1 แผ่น

ตามที่คณะกรรมการผู้ชำนาญการพิจารณารายงานการวิเคราะห์ผลกระทบสิ่งแวดล้อม โครงการด้านโรงไฟฟ้าพลังงาน  
ความร้อน ได้เห็นชอบรายงานการวิเคราะห์ผลกระทบสิ่งแวดล้อม โครงการโรงไฟฟ้าหนองระเวียง 1 ตั้งอยู่ในเขตอุตสาหกรรม  
สุรนารี ตำบลหนองระเวียง อำเภอเมืองนครราชสีมา จังหวัดนครราชสีมา เมื่อวันที่ 4 พฤศจิกายน 2559 โดยมีเลขที่ใบอนุญาต  
ประกอบกิจการผลิตไฟฟ้า เลขที่ กกพ 01-1(2)/60-225 โดยได้กำหนดให้โครงการจะต้องจัดส่งรายงานผลการปฏิบัติตาม  
มาตรการด้านสิ่งแวดล้อมต่อหน่วยงานราชการที่เกี่ยวข้อง เป็นประจำทุก 6 เดือน นั้น

บัดนี้ ทางบริษัท กัลฟ์ เอ็นเนอร์จี 2 จำกัด ได้จัดทำรายงานผลการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบ  
สิ่งแวดล้อม และมาตรการติดตามตรวจสอบผลกระทบด้านสิ่งแวดล้อม โรงไฟฟ้าหนองระเวียง 2 ครั้งที่ 2/2564 (เดือนกรกฎาคม  
ถึง ธันวาคม พ.ศ. 2564) เสร็จสิ้นเป็นที่เรียบร้อยแล้ว ทางบริษัทฯ จึงใคร่ขอนำส่งรายงานดังกล่าวให้กับหน่วยงานของท่านและ  
ดำเนินการตามขั้นตอนต่อไป

จึงเรียนมาเพื่อโปรดพิจารณา

ขอแสดงความนับถือ



( นายปณัฏฐ์ เจริญกุล )

ผู้จัดการโรงไฟฟ้า

บริษัท กัลฟ์ เอ็นเนอร์จี 2 จำกัด

ผู้ประสานงาน คุณชนิศาภา พันธไชย

โทร 090-257-8986

## ภาคผนวก ข-3

ตัวอย่างเอกสารการบำรุงรักษาดูแลการทำงานของระบบหล่อเย็น  
และผลการตรวจปริมาณเชื้อลิจิโอนัลล่า (*Legionella spp.*)

ในหอหล่อเย็น





## Analysis / Test Report

**Client** : Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O** : สัญญาเลขที่4600001547  
**Project Name** : Monitoring EIA  
**Project Location** : GNRV2

**Lot ID: 2253019**

Date Received : Jun 11, 2022

Date Reported : Jun 28, 2022

Report Number : 2301602-1

Page 1 of 3

**Sample Number** : 2253019-1  
**Sampled Date** : Jun 10, 2022 10:30 AM  
**Sample Description** : Cooling water  
**Location** : Cooling Tower Unit 1 : CW Make up  
**Date Analysis Commenced** : Jun 11, 2022  
**Condition of Sample** : Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
<i>Legionella spp.</i>	CFU/L	-	-	Not Detected**	Not Detected	ISO 11731 (2017)	Bangkok

**Guideline** : Notification of Department of Health about Legionella Control in Cooling Tower.

**Note** : \*\* Not Detected mean Bacteria not found in agar plate.

**Sampled By** : Sangtawan Natasat

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Tuanjai Thangklang  
Manager



## Analysis / Test Report

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่4600001547  
**Project Name :** Monitoring EIA  
**Project Location:** GNRV2

**Lot ID: 2253019**

Date Received : Jun 11, 2022

Date Reported : Jun 28, 2022

Report Number : 2301602-1

Page 2 of 3

**Sample Number** 2253019-2  
**Sampled Date** Jun 10, 2022 10:20 AM  
**Sample Description** Cooling water  
**Location** Cooling Tower Unit 1 : CW Basin  
**Date Analysis Commenced** Jun 11, 2022  
**Condition of Sample** Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
<i>Legionella spp.</i>	CFU/L	-	-	Not Detected**	Not Detected	ISO 11731 (2017)	Bangkok

**Guideline :** Notification of Department of Health about Legionella Control in Cooling Tower.

**Note :** \*\* Not Detected mean Bacteria not found in agar plate.

**Sampled By :** Sangtawan Natasat

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Tuanjai Thangklang  
Manager



## Analysis / Test Report

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่4600001547  
**Project Name :** Monitoring EIA  
**Project Location:** GNRV2

**Lot ID: 2253019**

Date Received : Jun 11, 2022

Date Reported : Jun 28, 2022

Report Number : 2301602-1

Page 3 of 3

**Sample Number** 2253019-3  
**Sampled Date** Jun 10, 2022 10:25 AM  
**Sample Description** Cooling water  
**Location** Cooling Tower Unit 1 : CW Blowdown  
**Date Analysis Commenced** Jun 11, 2022  
**Condition of Sample** Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
<i>Legionella spp.</i>	CFU/L	-	-	Not Detected**	Not Detected	ISO 11731 (2017)	Bangkok

**Guideline :** Notification of Department of Health about Legionella Control in Cooling Tower.

**Note :** \*\* Not Detected mean Bacteria not found in agar plate.

**Sampled By :** Sangtawan Natasat

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Tuanjai Thangklang  
Manager



# ภาคผนวก ข-4

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แผนการตรวจสอบ ดูแล บำรุงรักษา  
และซ่อมแซมเครื่องมือ เครื่องจักร (PM Plan)

Work Order Type	Work Order	Work Order Description	Functional Location	Functional Location Description	Main WC	Priority	Work Order Status	Created Date	Notification	Notification Status
PM01	20242470	1M PM TRANS LINE 22kV & 115kV	2112-CG-10UAD01	22kV CUSTOMER FEEDER NO.1	ME1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329181	NOCO INIT
PM01	20242474	1M PM TRANSFORMER OIL TYPE	2112-CG-10BAT01	115/11KV STEP UP TR (STG)	ME1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329185	NOCO INIT
PM01	20242478	1Y PM GROSS GEN METER	2112-CG-10MKA10GH001	STG GCP-CABINET/EXC PANEL HTR/LIGH SPLY	ME1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329189	NOCO INIT
PM01	20242483	1Y PM CUSTOMER REVENUE METER	2112-CG-10AQA01GH001	115KV REVENUE METER TO MTN	ME1	3-Routine (30 Days)	REL INIT ZTCN	1/1/2022	10329194	NOPR INIT
PM01	20242489	3M PM BATTERY	2112-CG-10BTA01	220VDC BATTERY	ME1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329200	NOCO INIT
PM01	20242493	3M PM CHARGER/RECTIFIER/INVERTER	2112-CG-10BTL01	220VDC BATTERY CHARGER 1	ME1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329204	NOCO INIT
PM01	20242498	1Y PM FIRE ALARM SYSTEM	2112-CG-11CYE10	Fire protection sysem GT11	ME1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329209	NOCO INIT
PM01	20242502	PM 1M - Harmonic filter substation	2112-CG-10BBD03KT001	22 KV Harmonic Filter System (M.N.T.)	ME1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329213	NOCO INIT
PM01	20242506	1M PM EMERGENCY & EXIT LIGHTING	2112-CG-10CYE90GY001	EMER LIGHT & EXIT SIGN - CONTROL BLD	ME1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329217	NOCO INIT
PM01	20242512	1Y PM MV MCW, BFWP, (CHILLER) MOTOR	2112-CG-10LAC11AP001-M01	MOTOR HP/LP BOILER FEED PUMP 1	ME1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329223	NOCO INIT
PM01	20242516	1Y PM GT-11, GT-12 MOTOR	2112-CG-11MBA-MOT-2100-M	SPRINT WATER ELECTRIC MOTOR	ME1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329227	NOCO INIT
PM01	20242519	1Y PM HRSG11, HRSG12 MOTOR	2112-CG-11GTA10AP001-M01	MOTOR HRSG-2 BLOWDOWN WATER PUMP-1	ME1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329230	NOCO INIT
PM01	20242523	1Y PM LV & WTP MOTOR	2112-CG-10EKH11AN003-M01	MOTOR PACKAGE FAN GAS COMPRESSOR1	ME1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329234	NOCO INIT
PM01	20242527	3M PM ST MOTOR	2112-CG-10MAV02AN001	LOIL TANK VPR EXTR	ME1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329238	NOCO INIT
PM01	20242531	3M PM CTW(ACC) MOTOR	2112-CG-10PC11AP001	AUXILIARY COOLING WATER PUMP1	ME1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329242	NOCO INIT
PM01	20242535	3M PM AIR COMPRESSOR MOTOR	2112-CG-10QEA10AN001	AIR COMPRESSOR 1	ME1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329246	NOCO INIT
PM01	20242540	GTG 11 FIRE & GAS SYSTEM INSPECTION (1M	2112-CG-11SGJ-AE-3004	TURBINE ENCLOSURE COMBUSTIBLE GAS DET	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329251	NOCO INIT
PM01	20242546	GTG 12 FIRE & GAS SYSTEM INSPECTION (1M	2112-CG-12SGJ-AE-3004	TURBINE ENCLOSURE COMBUSTIBLE GAS DET	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329257	NOCO INIT
PM01	20242553	GTG11 GAS CHROMATOGRAPH INSPECTION (1	2112-CG-11MBP-AE-2014	ANALYZER GAS CHROMATOGRAPH	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329264	NOCO INIT
PM01	20242559	GTG12 GAS CHROMATOGRAPH INSPECTION (1	2112-CG-12MBP-AE-2014	ANALYZER GAS CHROMATOGRAPH	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329270	NOCO INIT
PM01	20242563	PH ANALYZER INSPECTION (1M)	2112-CG-10GMB30CQ001	WASTE WATER DISCHARGE PH	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329274	NOCO INIT
PM01	20242570	PH ANALYZER INSPECTION (1M)	2112-CG-10QUA27CQ001	COMMON CONDENSATE AFTER GLAND STEA	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329281	NOCO INIT
PM01	20242574	PH ANALYZER INSPECTION (1M)	2112-CG-11QUA35CQ001	HP DRUM HRSG 11 pH	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329285	NOCO INIT
PM01	20242579	PH ANALYZER INSPECTION (1M)	2112-CG-12QUA35CQ001	HP DRUM HRSG 12 pH	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329290	NOCO INIT
PM01	20242583	DO ANALYZER INSPECTION (1M)	2112-CG-10QUA25CQ001	DO BEFORE CHEMICAL DOSING	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329294	NOCO INIT
PM01	20242588	CEMS ANALYZER INSPECTION (1M)	2112-CG-11HNE10CQ001	MAIN STACK NOX ANALYZER	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329299	NOCO INIT
PM01	20242594	CEMS ANALYZER INSPECTION (1M)	2112-CG-12HNE10CQ001	MAIN STACK NOX ANALYZER	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329305	NOCO INIT
PM01	20242598	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA24CQ001	COMMON BEFORE CHEMICAL DOSING COND	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329309	NOCO INIT
PM01	20242602	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA26CQ002	COMMON CONDENSATE AFT GLAND STEAM (	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329313	NOCO INIT
PM01	20242609	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA34CQ001	COMMON DA TANK COND	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329320	NOCO INIT
PM01	20242614	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10GMB30CQ002	WASTE WATER DISCHARGE CONDUCTIVITY	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329325	NOCO INIT
PM01	20242620	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-11QUA34CQ001	HP DRUM HRSG 11 COND	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329331	NOCO INIT
PM01	20242625	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-12QUA84CQ001	HP SUPERHEAT HRSG 12 COND	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329336	NOCO INIT
PM01	20242630	DCS Work Station ( 3M )	2112-CG-10CWA01	DCS OPS1 HMI COMPUTER	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329341	NOCO INIT
PM01	20242634	DCS Work Station ( 3M )	2112-CG-10CWA07	CEMS COMPUTER	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329345	NOCO INIT
PM01	20242639	PTT GAS METERING PLAN Q (3M)	2112-CG-10ZMI10GM001	PTT GAS METERING INSPECTION	MI1	3-Routine (30 Days)	TECO CNF INIT	1/1/2022	10329350	NOCO INIT
PM01	20243095	GNRV2 Calibrate IU Steam Meter 2022	2112-CG-10NAA20CP003	PROCESS STEAM LINE PRESSURE	MI1	3-Routine (30 Days)	TECO CNF INIT	1/6/2022	10330395	NOCO INIT
PM01	20243339	AUX COOLING TOWER 1Y INSPECTION	2112-CG-10PCD91AN001	AUXILIARY COOLING TOWER 1	MM1	3-Routine (30 Days)	TECO CNF INIT	1/13/2022	10330710	NOCO INIT
PM01	20243500	GAS COMPRESSOR YEARLY INSPECTION	2112-CG-10EKH11AN001	FG COMP 1	MM1	3-Routine (30 Days)	TECO CNF INIT	1/18/2022	10330909	NOCO INIT
PM01	20243508	GT21 16K BSI and Package Inspection	2112-CG-11MBA	GAS TURBINE SYSTEM	MM1	3-Routine (30 Days)	TECO CNF INIT	1/18/2022	10324447	NOCO INIT
PM01	20244559	1M PM TRANS LINE 22kV & 115kV	2112-CG-10UAD01	22kV CUSTOMER FEEDER NO.1	ME1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332173	NOCO INIT
PM01	20244561	1M PM TRANSFORMER OIL TYPE	2112-CG-10BAT01	115/11KV STEP UP TR (STG)	ME1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332175	NOCO INIT
PM01	20244563	PM 1M - Harmonic filter substation	2112-CG-10BBD03KT001	22 KV Harmonic Filter System (M.N.T.)	ME1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332177	NOCO INIT
PM01	20244566	1M PM EMERGENCY & EXIT LIGHTING	2112-CG-10CYE90GY001	EMER LIGHT & EXIT SIGN - CONTROL BLD	ME1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332180	NOCO INIT
PM01	20244575	GTG 11 FIRE & GAS SYSTEM INSPECTION (1M	2112-CG-11SGJ-AE-3004	TURBINE ENCLOSURE COMBUSTIBLE GAS DET	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332189	NOCO INIT
PM01	20244578	GTG 12 FIRE & GAS SYSTEM INSPECTION (1M	2112-CG-12SGJ-AE-3004	TURBINE ENCLOSURE COMBUSTIBLE GAS DET	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332192	NOCO INIT
PM01	20244581	GTG11 GAS CHROMATOGRAPH INSPECTION (1	2112-CG-11MBP-AE-2014	ANALYZER GAS CHROMATOGRAPH	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332195	NOCO INIT
PM01	20244583	GTG12 GAS CHROMATOGRAPH INSPECTION (1	2112-CG-12MBP-AE-2014	ANALYZER GAS CHROMATOGRAPH	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332197	NOCO INIT
PM01	20244585	PH ANALYZER INSPECTION (1M)	2112-CG-10GMB30CQ001	WASTE WATER DISCHARGE PH	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332199	NOCO INIT
PM01	20244588	PH ANALYZER INSPECTION (1M)	2112-CG-10QUA27CQ001	COMMON CONDENSATE AFTER GLAND STEA	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332202	NOCO INIT
PM01	20244591	PH ANALYZER INSPECTION (1M)	2112-CG-11QUA35CQ001	HP DRUM HRSG 11 pH	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332205	NOCO INIT
PM01	20244594	PH ANALYZER INSPECTION (1M)	2112-CG-12QUA35CQ001	HP DRUM HRSG 12 pH	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332208	NOCO INIT
PM01	20244597	DO ANALYZER INSPECTION (1M)	2112-CG-10QUA25CQ001	DO BEFORE CHEMICAL DOSING	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332211	NOCO INIT
PM01	20244600	CEMS ANALYZER INSPECTION (1M)	2112-CG-11HNE10CQ001	MAIN STACK NOX ANALYZER	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332214	NOCO INIT
PM01	20244603	CEMS ANALYZER INSPECTION (1M)	2112-CG-12HNE10CQ001	MAIN STACK NOX ANALYZER	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332217	NOCO INIT
PM01	20244606	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA24CQ001	COMMON BEFORE CHEMICAL DOSING COND	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332220	NOCO INIT
PM01	20244609	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA26CQ002	COMMON CONDENSATE AFT GLAND STEAM (	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332223	NOCO INIT
PM01	20244612	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA34CQ001	COMMON DA TANK COND	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332226	NOCO INIT
PM01	20244616	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10GMB30CQ002	WASTE WATER DISCHARGE CONDUCTIVITY	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332230	NOCO INIT
PM01	20244620	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-11QUA34CQ001	HP DRUM HRSG 11 COND	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332234	NOCO INIT
PM01	20244623	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-12QUA84CQ001	HP SUPERHEAT HRSG 12 COND	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332237	NOCO INIT

PM01	20244625	PTT GAS METERING PLAN M (1M)	2112-CG-10ZMI10GM001	PTT GAS METERING INSPECTION	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332239	NOCO INIT
PM01	20244626	YEARLY FOR PES TEST INSPECTION	2112-CG-10ZMI10PS001	PES TEST INSPECTION	MI1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332240	NOCO INIT
PM01	20244630	PM 1Y CHEMICAL DOSING PUMP	2112-CG-11QCA21AP001	HP PHOSPHATE FEED PUMP 1	MM1	3-Routine (30 Days)	TECO CNF INIT	2/1/2022	10332244	NOCO INIT
PM01	20245334	PM Thermo scan yearly 2022	2112-CG-10AEA	115KV BUS ELECTRICAL SYSTEM	ME1	3-Routine (30 Days)	REL INIT ZTCN	2/7/2022	10332976	NOPR INIT
PM01	20245340	Corona Scan Annual Inspection 2022	2112-CG-10AEA	115KV BUS ELECTRICAL SYSTEM	ME1	3-Routine (30 Days)	REL INIT ZTCN	2/7/2022	10332981	NOPR INIT
PM01	20245348	EGAT Revenue & UMM meter calibration2022	2112-CG-10AEC01AW001	EGAT REVENUE METER MAIN	ME1	3-Routine (30 Days)	REL INIT ZTCN	2/7/2022	10333014	NOPR INIT
PM01	20245350	PM TRANSFORMER OIL (PR oil sampling2022)	2112-CG-10BAT01	115/11KV STEP UP TR (STG)	ME1	3-Routine (30 Days)	CRTD INIT ZTCN	2/7/2022	10333019	NOPR INIT
PM01	20245573	WO for issue PR order Diesel oil EDG	2112-CG-10MJA10	EMERGENCY DIESEL GENERATOR	MM1	3-Routine (30 Days)	TECO CNF INIT	2/15/2022	10333264	NOCO INIT
PM01	20245980	GT22 20K BSI and Package Inspection	2112-CG-12MBA	GAS TURBINE SYSTEM	MM1	3-Routine (30 Days)	TECO CNF INIT	2/26/2022	10333866	NOCO INIT
PM01	20246751	1Y PM TRANS LINE 22kV & 115kV	2112-CG-10UAD01	22kV CUSTOMER FEEDER NO.1	ME1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334658	NOCO INIT
PM01	20246756	1Y PM TRANSFORMER OIL TYPE	2112-CG-10BAT01	115/11KV STEP UP TR (STG)	ME1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334663	NOCO INIT
PM01	20246761	3Y PM EMERGENCY DIESEL GENERATOR	2112-CG-10MJA10	EMERGENCY DIESEL GENERATOR	ME1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334668	NOCO INIT
PM01	20246767	PM 1M - Harmonic filter substation	2112-CG-10BBD03KT001	22 KV Harmonic Filter System (M.N.T.)	ME1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334674	NOCO INIT
PM01	20246771	1Y PM EMERGENCY & EXIT LIGHTING	2112-CG-10CYE90GY001	EMER LIGHT & EXIT SIGN - CONTROL BLD	ME1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334678	NOCO INIT
PM01	20246786	GTG 11 FIRE & GAS SYSTEM INSPECTION (1M	2112-CG-11SGJ-AE-3004	TURBINE ENCLOSURE COMBUSTIBLE GAS DET	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334693	NOCO INIT
PM01	20246791	GTG 12 FIRE & GAS SYSTEM INSPECTION (1M	2112-CG-12SGJ-AE-3004	TURBINE ENCLOSURE COMBUSTIBLE GAS DET	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334698	NOCO INIT
PM01	20246797	GTG11 GAS CHROMATOGRAPH INSPECTION (1	2112-CG-11MBP-AE-2014	ANALYZER GAS CHROMATOGRAPH	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334704	NOCO INIT
PM01	20246801	GTG12 GAS CHROMATOGRAPH INSPECTION (1	2112-CG-12MBP-AE-2014	ANALYZER GAS CHROMATOGRAPH	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334708	NOCO INIT
PM01	20246806	PH ANALYZER INSPECTION (1M)	2112-CG-10GMB30CQ001	WASTE WATER DISCHARGE PH	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334713	NOCO INIT
PM01	20246810	PH ANALYZER INSPECTION (1M)	2112-CG-10QUA27CQ001	COMMON CONDENSATE AFTER GLAND STEA	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334717	NOCO INIT
PM01	20246814	PH ANALYZER INSPECTION (1M)	2112-CG-11QUA35CQ001	HP DRUM HRSG 11 pH	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334721	NOCO INIT
PM01	20246818	PH ANALYZER INSPECTION (1M)	2112-CG-12QUA35CQ001	HP DRUM HRSG 12 pH	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334725	NOCO INIT
PM01	20246822	DO ANALYZER INSPECTION (1M)	2112-CG-10QUA25CQ001	DO BEFORE CHEMICAL DOSING	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334729	NOCO INIT
PM01	20246826	CEMS ANALYZER INSPECTION (1M)	2112-CG-11HNE10CQ001	MAIN STACK NOX ANALYZER	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334733	NOCO INIT
PM01	20246829	CEMS ANALYZER INSPECTION (1M)	2112-CG-12HNE10CQ001	MAIN STACK NOX ANALYZER	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334736	NOCO INIT
PM01	20246834	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA24CQ001	COMMON BEFORE CHEMICAL DOSING COND	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334741	NOCO INIT
PM01	20246838	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA26CQ002	COMMON CONDENSATE AFT GLAND STEAM (	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334745	NOCO INIT
PM01	20246841	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA34CQ001	COMMON DA TANK COND	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334748	NOCO INIT
PM01	20246844	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10GMB30CQ002	WASTE WATER DISCHARGE CONDUCTIVITY	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334751	NOCO INIT
PM01	20246846	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-11QUA34CQ001	HP DRUM HRSG 11 COND	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334753	NOCO INIT
PM01	20246847	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-12QUA84CQ001	HP SUPERHEAT HRSG 12 COND	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334754	NOCO INIT
PM01	20246851	PTT GAS METERING PLAN M (1M)	2112-CG-10ZMI10GM001	PTT GAS METERING INSPECTION	MI1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334758	NOCO INIT
PM01	20246854	PM 6M STEAM TRAP HRSG&STG STEAM	2112-CG-10LBA35AA901	HP MAIN STEAM TRAP DRAIN VALVE1	MM1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334761	NOCO INIT
PM01	20246855	PM 3M LUBE OIL SAMPLING	2112-CG-10MAV02BB001	ST LUBE OIL TANK	MM1	3-Routine (30 Days)	TECO CNF INIT	3/1/2022	10334762	NOCO INIT
PM01	20248493	TOOLS OF CHEMICAL SECTION CALIBRATION	2112-CG-10ZCH10TL001	TOOLS OF CHEMICAL SECTION CALIBRATION	MI1	3-Routine (30 Days)	REL CNF INIT WPUR	4/1/2022	10336823	NOCO INIT
PM01	20248496	1M PM TRANS LINE 22kV & 115kV	2112-CG-10UAD01	22kV CUSTOMER FEEDER NO.1	ME1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336826	NOCO INIT
PM01	20248498	1M PM TRANSFORMER OIL TYPE	2112-CG-10BAT01	115/11KV STEP UP TR (STG)	ME1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336828	NOCO INIT
PM01	20248503	3M PM BATTERY	2112-CG-10BT01	220VDC BATTERY	ME1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336833	NOCO INIT
PM01	20248506	3M PM CHARGER/RECTIFIER/INVERTER	2112-CG-10BTL01	220VDC BATTERY CHARGER 1	ME1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336836	NOCO INIT
PM01	20248510	PM 1M - Harmonic filter substation	2112-CG-10BBD03KT001	22 KV Harmonic Filter System (M.N.T.)	ME1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336840	NOCO INIT
PM01	20248515	1M PM EMERGENCY & EXIT LIGHTING	2112-CG-10CYE90GY001	EMER LIGHT & EXIT SIGN - CONTROL BLD	ME1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336845	NOCO INIT
PM01	20248520	6M PM HVAC & A/C SYSTEM	2112-CG-10SAC03AH001	AIR COND1 115KV CTRL BLDG PANEL	ME1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336850	NOCO INIT
PM01	20248525	1Y PM CTW(ACC) MOTOR	2112-CG-10PCC11AP001-M01	MOTOR AUXILIARY COOLING WATER PUMP 1	ME1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336855	NOCO INIT
PM01	20248534	3M PM MV MCW, BWFP, (CHILLER) MOTOR	2112-CG-10LAC11AP001-M01	MOTOR HP/LP BOILER FEED PUMP 1	ME1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336864	NOCO INIT
PM01	20248539	3M PM GT-11, GT-12 MOTOR	2112-CG-11MBA-MOT-2100-M	SPRINT WATER ELECTRIC MOTOR	ME1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336869	NOCO INIT
PM01	20248544	3M PM HRSG11, HRSG12 MOTOR	2112-CG-11GTA10AP001-M01	MOTOR HRSG-2 BLOWDOWN WATER PUMP-1	ME1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336874	NOCO INIT
PM01	20248548	3M PM LV & WTP MOTOR	2112-CG-10EKH11AN003-M01	MOTOR PACKAGE FAN GAS COMPRESSOR1	ME1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336878	NOCO INIT
PM01	20248557	3M PM ST MOTOR	2112-CG-10MAV02AN001	LOIL TANK VPR EXTR	ME1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336887	NOCO INIT
PM01	20248564	3M PM CTW(ACC) MOTOR	2112-CG-10PCC11AP001	AUXILIARY COOLING WATER PUMP1	ME1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336894	NOCO INIT
PM01	20248567	3M PM AIR COMPRESSOR MOTOR	2112-CG-10QEA10AN001	AIR COMPRESSOR 1	ME1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336897	NOCO INIT
PM01	20248573	GTG 11 FIRE & GAS SYSTEM INSPECTION (1M	2112-CG-11SGJ-AE-3004	TURBINE ENCLOSURE COMBUSTIBLE GAS DET	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336903	NOCO INIT
PM01	20248578	GTG 12 FIRE & GAS SYSTEM INSPECTION (1M	2112-CG-12SGJ-AE-3004	TURBINE ENCLOSURE COMBUSTIBLE GAS DET	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336908	NOCO INIT
PM01	20248585	GTG11 GAS CHROMATOGRAPH INSPECTION (1	2112-CG-11MBP-AE-2014	ANALYZER GAS CHROMATOGRAPH	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336915	NOCO INIT
PM01	20248591	GTG12 GAS CHROMATOGRAPH INSPECTION (1	2112-CG-12MBP-AE-2014	ANALYZER GAS CHROMATOGRAPH	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336921	NOCO INIT
PM01	20248599	PH ANALYZER INSPECTION (1M)	2112-CG-10GMB30CQ001	WASTE WATER DISCHARGE PH	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336929	NOCO INIT
PM01	20248605	PH ANALYZER INSPECTION (1M)	2112-CG-10QUA27CQ001	COMMON CONDENSATE AFTER GLAND STEA	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336935	NOCO INIT
PM01	20248612	PH ANALYZER INSPECTION (1M)	2112-CG-11QUA35CQ001	HP DRUM HRSG 11 pH	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336942	NOCO INIT
PM01	20248617	PH ANALYZER INSPECTION (1M)	2112-CG-12QUA35CQ001	HP DRUM HRSG 12 pH	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336947	NOCO INIT
PM01	20248624	DO ANALYZER INSPECTION (1M)	2112-CG-10QUA25CQ001	DO BEFORE CHEMICAL DOSING	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336954	NOCO INIT
PM01	20248629	CEMS ANALYZER INSPECTION (1M)	2112-CG-11HNE10CQ001	MAIN STACK NOX ANALYZER	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336959	NOCO INIT
PM01	20248634	CEMS ANALYZER INSPECTION (1M)	2112-CG-12HNE10CQ001	MAIN STACK NOX ANALYZER	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336964	NOCO INIT
PM01	20248640	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA24CQ001	COMMON BEFORE CHEMICAL DOSING COND	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336970	NOCO INIT
PM01	20248646	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA26CQ002	COMMON CONDENSATE AFT GLAND STEAM (	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336976	NOCO INIT
PM01	20248652	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA34CQ001	COMMON DA TANK COND	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336982	NOCO INIT

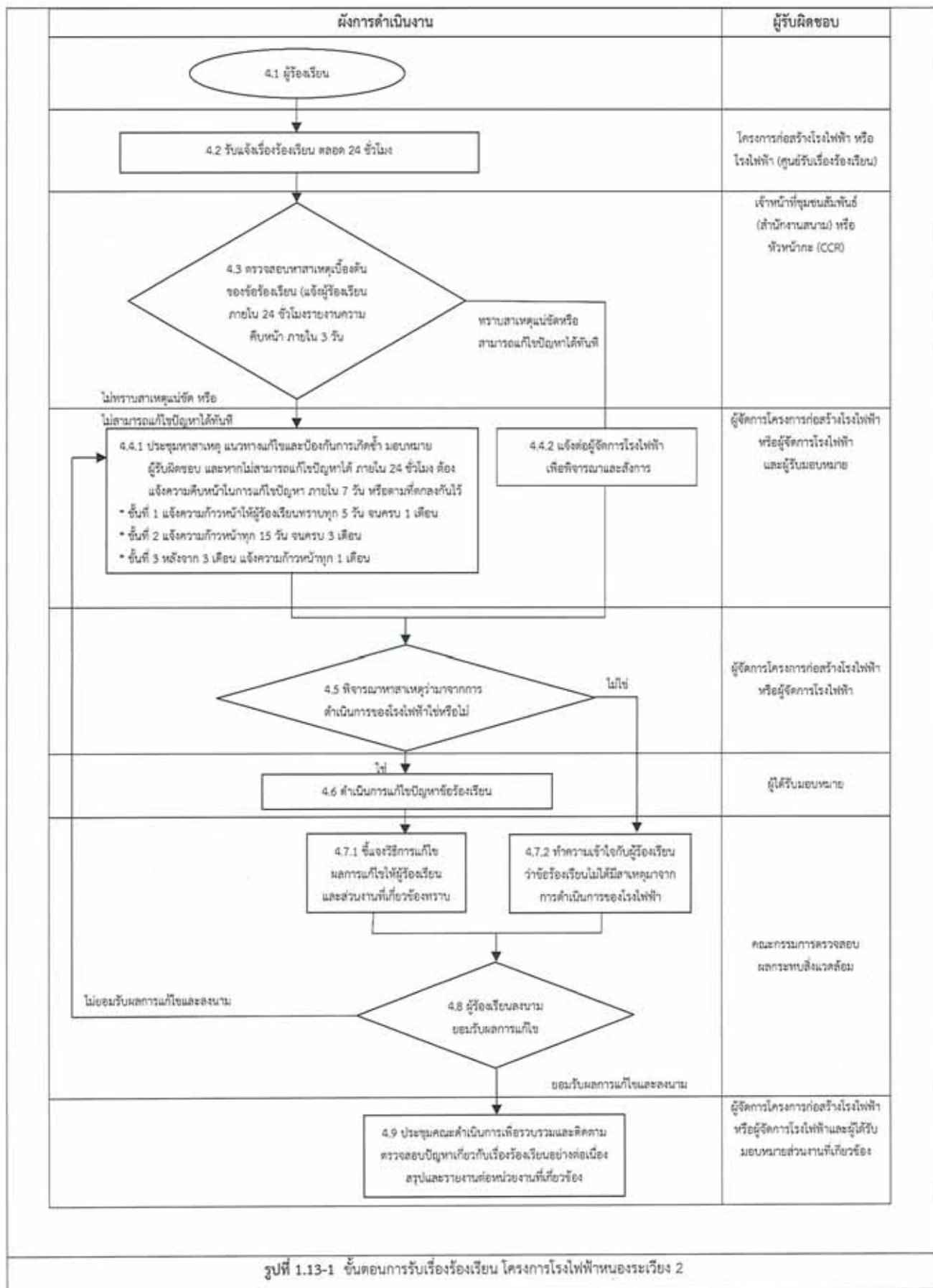


PM01	20248656	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10GMB30CQ002	WASTE WATER DISCHARGE CONDUCTIVITY	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336986	NOCO INIT
PM01	20248662	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-11QUA34CQ001	HP DRUM HRSG 11 COND	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336992	NOCO INIT
PM01	20248668	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-12QUA84CQ001	HP SUPERHEAT HRSG 12 COND	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10336998	NOCO INIT
PM01	20248675	DCS Work Station ( 3M )	2112-CG-10CWA01	DCS OPS1 HMI COMPUTER	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10337005	NOCO INIT
PM01	20248683	DCS Work Station ( 3M )	2112-CG-10CWA07	CEMS COMPUTER	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10337013	NOCO INIT
PM01	20248689	PTT GAS METERING PLAN H (6M)	2112-CG-10ZMI10GM001	PTT GAS METERING INSPECTION	MI1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10337019	NOCO INIT
PM01	20248697	PM 4M PUMP AND BLOWER	2112-CG-10GAF10AP001	RAW WATER PUMP1	MM1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10337027	NOCO INIT
PM01	20248704	PM GT LM6000PF+ INSPECTION	2112-CG-11MBA	GAS TURBINE SYSTEM	MM1	3-Routine (30 Days)	TECO CNF INIT	4/1/2022	10337034	NOCO INIT
PM01	20248713	TOOLS OF SAFETY SECTION CALIBRATION	2112-CG-10ZEH10TL001	TOOLS OF SAFETY SECTION CALIBRATION	MI1	3-Routine (30 Days)	REL CNF INIT WPUR	4/1/2022	10337043	NOCO INIT
PM01	20250157	1M PM TRANS LINE 22kV & 115kV	2112-CG-10UAD01	22kV CUSTOMER FEEDER NO.1	ME1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340010	NOCO INIT
PM01	20250162	1M PM TRANSFORMER OIL TYPE	2112-CG-10BAT01	115/11KV STEP UP TR (STG)	ME1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340015	NOCO INIT
PM01	20250172	PM 1M - Harmonic filter substation	2112-CG-10BBD03KT001	22 KV Harmonic Filter System (M.N.T.)	ME1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340025	NOCO INIT
PM01	20250174	1M PM EMERGENCY & EXIT LIGHTING	2112-CG-10CYE90GY001	EMER LIGHT & EXIT SIGN - CONTROL BLD	ME1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340027	NOCO INIT
PM01	20250178	1Y PM ST MOTOR	2112-CG-10MAV02AN001-M01	MOTOR STG LOIL TANK VAR EXTRACTION	ME1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340031	NOCO INIT
PM01	20250181	1Y PM AIR COMPRESSOR MOTOR	2112-CG-10QEA10AN001-M01	MOTOR AIR COMPRESSOR-1	ME1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340034	NOCO INIT
PM01	20250187	GTG 11 FIRE & GAS SYSTEM INSPECTION (1M)	2112-CG-11SGJ-AE-3004	TURBINE ENCLOSURE COMBUSTIBLE GAS DET	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340040	NOCO INIT
PM01	20250192	GTG 12 FIRE & GAS SYSTEM INSPECTION (1M)	2112-CG-12SGJ-AE-3004	TURBINE ENCLOSURE COMBUSTIBLE GAS DET	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340045	NOCO INIT
PM01	20250198	GTG11 GAS CHROMATOGRAPH INSPECTION (1M)	2112-CG-11MBP-AE-2014	ANALYZER GAS CHROMATOGRAPH	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340051	NOCO INIT
PM01	20250202	GTG12 GAS CHROMATOGRAPH INSPECTION (1M)	2112-CG-12MBP-AE-2014	ANALYZER GAS CHROMATOGRAPH	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340055	NOCO INIT
PM01	20250207	PH ANALYZER INSPECTION (1M)	2112-CG-10GMB30CQ001	WASTE WATER DISCHARGE PH	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340060	NOCO INIT
PM01	20250214	PH ANALYZER INSPECTION (1M)	2112-CG-10QUA27CQ001	COMMON CONDENSATE AFTER GLAND STEAM	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340067	NOCO INIT
PM01	20250219	PH ANALYZER INSPECTION (1M)	2112-CG-11QUA35CQ001	HP DRUM HRSG 11 pH	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340072	NOCO INIT
PM01	20250222	PH ANALYZER INSPECTION (1M)	2112-CG-12QUA35CQ001	HP DRUM HRSG 12 pH	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340075	NOCO INIT
PM01	20250227	DO ANALYZER INSPECTION (1M)	2112-CG-10QUA25CQ001	DO BEFORE CHEMICAL DOSING	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340080	NOCO INIT
PM01	20250232	CEMS ANALYZER INSPECTION (1M)	2112-CG-11HNE10CQ001	MAIN STACK NOX ANALYZER	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340085	NOCO INIT
PM01	20250237	CEMS ANALYZER INSPECTION (1M)	2112-CG-12HNE10CQ001	MAIN STACK NOX ANALYZER	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340090	NOCO INIT
PM01	20250244	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA24CQ001	COMMON BEFORE CHEMICAL DOSING COND	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340097	NOCO INIT
PM01	20250248	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA26CQ002	COMMON CONDENSATE AFT GLAND STEAM	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340101	NOCO INIT
PM01	20250251	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA34CQ001	COMMON DA TANK COND	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340104	NOCO INIT
PM01	20250256	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10GMB30CQ002	WASTE WATER DISCHARGE CONDUCTIVITY	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340109	NOCO INIT
PM01	20250259	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-11QUA34CQ001	HP DRUM HRSG 11 COND	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340112	NOCO INIT
PM01	20250262	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-12QUA84CQ001	HP SUPERHEAT HRSG 12 COND	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340115	NOCO INIT
PM01	20250271	PTT GAS METERING PLAN M (1M)	2112-CG-10ZMI10GM001	PTT GAS METERING INSPECTION	MI1	3-Routine (30 Days)	TECO CNF INIT	5/1/2022	10340124	NOCO INIT
PM01	20251505	GT21 20K BSI and Package Inspection	2112-CG-11MBA	GAS TURBINE SYSTEM	MM1	3-Routine (30 Days)	TECO CNF INIT	5/12/2022	10341449	NOCO INIT
PM01	20252859	1M PM TRANS LINE 22kV & 115kV	2112-CG-10UAD01	22kV CUSTOMER FEEDER NO.1	ME1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342825	NOCO INIT
PM01	20252860	1M PM TRANSFORMER OIL TYPE	2112-CG-10BAT01	115/11KV STEP UP TR (STG)	ME1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342826	NOCO INIT
PM01	20252861	PM 1M - Harmonic filter substation	2112-CG-10BBD03KT001	22 KV Harmonic Filter System (M.N.T.)	ME1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342827	NOCO INIT
PM01	20252862	3M PM EMERGENCY & EXIT LIGHTING	2112-CG-10CYE90GY001	EMER LIGHT & EXIT SIGN - CONTROL BLD	ME1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342828	NOCO INIT
PM01	20252863	GTG 11 FIRE & GAS SYSTEM INSPECTION (1M)	2112-CG-11SGJ-AE-3004	TURBINE ENCLOSURE COMBUSTIBLE GAS DET	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342829	NOCO INIT
PM01	20252864	GTG 12 FIRE & GAS SYSTEM INSPECTION (1M)	2112-CG-12SGJ-AE-3004	TURBINE ENCLOSURE COMBUSTIBLE GAS DET	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342830	NOCO INIT
PM01	20252865	GTG11 GAS CHROMATOGRAPH INSPECTION (1M)	2112-CG-11MBP-AE-2014	ANALYZER GAS CHROMATOGRAPH	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342831	NOCO INIT
PM01	20252866	GTG12 GAS CHROMATOGRAPH INSPECTION (1M)	2112-CG-12MBP-AE-2014	ANALYZER GAS CHROMATOGRAPH	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342832	NOCO INIT
PM01	20252867	PH ANALYZER INSPECTION (1M)	2112-CG-10GMB30CQ001	WASTE WATER DISCHARGE PH	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342833	NOCO INIT
PM01	20252868	PH ANALYZER INSPECTION (1M)	2112-CG-10QUA27CQ001	COMMON CONDENSATE AFTER GLAND STEAM	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342834	NOCO INIT
PM01	20252869	PH ANALYZER INSPECTION (1M)	2112-CG-11QUA35CQ001	HP DRUM HRSG 11 pH	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342835	NOCO INIT
PM01	20252870	PH ANALYZER INSPECTION (1M)	2112-CG-12QUA35CQ001	HP DRUM HRSG 12 pH	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342836	NOCO INIT
PM01	20252871	DO ANALYZER INSPECTION (1M)	2112-CG-10QUA25CQ001	DO BEFORE CHEMICAL DOSING	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342837	NOCO INIT
PM01	20252872	CEMS ANALYZER INSPECTION (1M)	2112-CG-11HNE10CQ001	MAIN STACK NOX ANALYZER	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342838	NOCO INIT
PM01	20252873	CEMS ANALYZER INSPECTION (1M)	2112-CG-12HNE10CQ001	MAIN STACK NOX ANALYZER	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342839	NOCO INIT
PM01	20252874	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA24CQ001	COMMON BEFORE CHEMICAL DOSING COND	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342840	NOCO INIT
PM01	20252875	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA26CQ002	COMMON CONDENSATE AFT GLAND STEAM	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342841	NOCO INIT
PM01	20252876	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10QUA34CQ001	COMMON DA TANK COND	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342842	NOCO INIT
PM01	20252877	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-10GMB30CQ002	WASTE WATER DISCHARGE CONDUCTIVITY	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342843	NOCO INIT
PM01	20252878	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-11QUA34CQ001	HP DRUM HRSG 11 COND	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342844	NOCO INIT
PM01	20252879	CONDUCTIVITY ANALYZER INSPECTION (1M)	2112-CG-12QUA84CQ001	HP SUPERHEAT HRSG 12 COND	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342845	NOCO INIT
PM01	20252880	PTT GAS METERING PLAN M (1M)	2112-CG-10ZMI10GM001	PTT GAS METERING INSPECTION	MI1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342846	NOCO INIT
PM01	20252881	PM 1Y OVERHEAD CRANE	2112-CG-10MAG10AE001	ACC ELECTRICAL FIXED HOIST	MM1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342847	NOCO INIT
PM01	20252882	PM 6M PUMP AND BLOWER	2112-CG-10GAF10AP001	RAW WATER PUMP1	MM1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342848	NOCO INIT
PM01	20252883	PM 6M LUBE OIL SAMPLING	2112-CG-10MAV02BB001	ST LUBE OIL TANK	MM1	3-Routine (30 Days)	TECO CNF INIT	6/1/2022	10342849	NOCO INIT
PM01	20253440	GT22 22.4K Bore Scope Inspection	2112-CG-12MBA	GAS TURBINE SYSTEM	MM1	3-Routine (30 Days)	TECO CNF INIT	6/10/2022	10343559	NOCO INIT
PM01	20253796	GT22 22.9K Hot Section Path BSI Insp.	2112-CG-12MBA	GAS TURBINE SYSTEM	MM1	3-Routine (30 Days)	TECO CNF INIT	6/24/2022	10344203	NOCO INIT

## ภาคผนวก ข-5

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ขั้นตอนการรับเรื่องร้องเรียน และสรุปรายการรับเรื่องร้องเรียน  
ระหว่างเดือนมกราคม-มิถุนายน พ.ศ. 2565



รูปที่ 1.13-1 ขั้นตอนการรับเรื่องร้องเรียน โครงการโรงไฟฟ้าหนองขี้เหล็ก 2





## รายงานสรุปรายการรับข้อร้องเรียนประจำเดือน (Monthly Summary Record of Complaint Receipt)

ประจำเดือน .....มกราคม 2565..... โรงไฟฟ้า ..หนองระเวียง1 และ 2.....

วัน/เดือน/ปี ที่รับแจ้ง	รายการข้อร้องเรียน	วัน/เดือน/ปี ที่แก้ไข, ผลการดำเนินการ	หมายเหตุ

\* การนำส่งรายงานสรุปรายการรับข้อร้องเรียนประจำเดือนต้องแนบสำเนาแบบฟอร์มข้อร้องเรียนและการสอบสวนสาเหตุด้วย



## รายงานสรุปรายการรับข้อร้องเรียนประจำเดือน (Monthly Summary Record of Complaint Receipt)

ประจำเดือน .....กุมภาพันธ์ 2565..... โรงไฟฟ้า ..หนองระเวียง1 และ 2.....

วัน/เดือน/ปี ที่รับแจ้ง	รายการข้อร้องเรียน	วัน/เดือน/ปี ที่แก้ไข, ผลการดำเนินการ	หมายเหตุ

\* การนำส่งรายงานสรุปรายการรับข้อร้องเรียนประจำเดือนต้องแนบสำเนาแบบฟอร์มข้อร้องเรียนและการสอบสวนสาเหตุด้วย



รายงานสรุปรายการรับข้อร้องเรียนประจำเดือน (Monthly Summary Record of Complaint Receipt)

ประจำเดือน .....มีนาคม 2565..... โรงไฟฟ้า ..หนองระเวียง1 และ 2.....

วัน/เดือน/ปี ที่รับแจ้ง	รายการข้อร้องเรียน	วัน/เดือน/ปี ที่แก้ไข, ผลการดำเนินการ	หมายเหตุ

\* การนำส่งรายงานสรุปรายการรับข้อร้องเรียนประจำเดือนต้องแนบสำเนาแบบฟอร์มข้อร้องเรียนและการสอบสวนสาเหตุด้วย



รายงานสรุปรายการรับข้อร้องเรียนประจำเดือน (Monthly Summary Record of Complaint Receipt)

ประจำเดือน .....เมษายน 2565..... โรงไฟฟ้า..หนองระเวียง1 และ 2.....

วัน/เดือน/ปี ที่รับแจ้ง	รายการข้อร้องเรียน	วัน/เดือน/ปี ที่แก้ไข, ผลการดำเนินการ	หมายเหตุ

\* การนำส่งรายงานสรุปรายการซื้อร้องเรียนประจำเดือนต้องแนบสำเนาแบบฟอร์มซื้อร้องเรียนและการสอบสวนสาเหตุด้วย





รายงานสรุปรายการรับข้อร้องเรียนประจำเดือน (Monthly Summary Record of Complaint Receipt)

ประจำเดือน .....พฤษภาคม 2565..... โรงไฟฟ้า ..หนองระเวียง1 และ 2.....

วัน/เดือน/ปี ที่รับแจ้ง	รายการข้อร้องเรียน	วัน/เดือน/ปี ที่แก้ไข, ผลการดำเนินการ	หมายเหตุ

\* การนำส่งรายงานสรุปรายการรับข้อร้องเรียนประจำเดือนต้องแนบสำเนาแบบฟอร์มข้อร้องเรียนและการสอบสวนสาเหตุด้วย



รายงานสรุปรายการรับข้อร้องเรียนประจำเดือน (Monthly Summary Record of Complaint Receipt)

ประจำเดือน .....มิถุนายน 2565..... โรงไฟฟ้า ..หนองระเวียง1 และ 2.....

วัน/เดือน/ปี ที่รับแจ้ง	รายการข้อร้องเรียน	วัน/เดือน/ปี ที่แก้ไข, ผลการดำเนินการ	หมายเหตุ

\* การนำส่งรายงานสรุปรายการรับข้อร้องเรียนประจำเดือนต้องแนบสำเนาแบบฟอร์มข้อร้องเรียนและการสอบสวนสาเหตุด้วย

## ภาคผนวก ข-6

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เอกสารขออนุญาตดำเนินการวางท่อส่งน้ำดิบ และดันท่อลอด  
และเอกสารขอความเห็นชอบในการกำหนดวิธีการจัดการกับต้นไม้  
ในแนวเขตการวางท่อส่งน้ำฯ และดันท่อลอด

ที่ คค ๐๗๐๓.๒๐/๐๒ | ๒๗๙ |



กรมทางหลวงชนบท  
เลขที่ ๙ ถนนพหลโยธิน แขวงอนุสาวรีย์  
เขตบางเขน กรุงเทพฯ ๑๐๒๒๐

## หนังสืออนุญาต

๒๒ กุมภาพันธ์ ๒๕๕๙

ด้วย บริษัท กัลป์ เอ็นอาร์วี ๑ จำกัด โดย นางสาวอนรรฆมนต์ มาศปิยวงศ์ ผู้รับมอบอำนาจ  
ขออนุญาตแขวงทางหลวงชนบทนครราชสีมา วางท่อน้ำทิ้งและคันท่อลอดในเขตทางหลวงชนบท  
สาย นม.๓๐๒๔ แยกทางหลวงหมายเลข ๒๒๖-บ้านโนนม่วง อำเภอเฉลิมพระเกียรติ อำเภอโชคชัย  
จังหวัดนครราชสีมา ช่วง กม.ที่ ๑๒+๕๐๐ ถึง กม.ที่ ๑๕+๓๐๐ รายละเอียดปรากฏตามหนังสือคำขออนุญาต  
ลงวันที่ ๒๓ กุมภาพันธ์ ๒๕๕๙

ตามคำสั่งกรมทางหลวงชนบท ที่ ๘๗๑/๒๕๕๓ ลงวันที่ ๒๐ กรกฎาคม พ.ศ.๒๕๕๓  
เรื่องมอบหมายและแต่งตั้งให้ข้าราชการปฏิบัติราชการตามพระราชบัญญัติทางหลวง พ.ศ.๒๕๓๕ ข้อ ๒ อธิบดี  
กรมทางหลวงชนบทในฐานะผู้อำนวยการทางหลวงชนบท มอบหมายให้ ผู้อำนวยการแขวงทางหลวงชนบทจังหวัด  
เป็นผู้ซึ่งได้รับมอบหมายจากผู้อำนวยการทางหลวงชนบทและเป็นเจ้าพนักงาน ให้มีอำนาจหน้าที่  
ตามภาคผนวก ข ลำดับที่ ๕ ซึ่งผู้อำนวยการแขวงทางหลวงชนบทนครราชสีมา มีอำนาจหน้าที่ในเขต  
จังหวัดนครราชสีมา ในการพิจารณาอนุญาตให้ผู้ใดมีความจำเป็นต้องปักเสา พาดสาย วางท่อน้ำ หรือกระทำการ  
ใดๆ ในเขตทางหลวงชนบท ตามมาตรา ๔๘ ตามหลักเกณฑ์และเงื่อนไขที่กรมฯ กำหนด เฉพาะพื้นที่ที่อยู่นอก  
เหนือความรับผิดชอบ ของ สทช.ที่ ๑-๑๘ จึงอนุญาตให้ บริษัท กัลป์ เอ็นอาร์วี ๑ จำกัด  
โดย นางสาวอนรรฆมนต์ มาศปิยวงศ์ ดำเนินการวางท่อน้ำทิ้งและคันท่อลอดในเขตทางหลวงชนบท  
สาย นม.๓๐๒๔ แยกทางหลวงหมายเลข ๒๒๖-บ้านโนนม่วง อำเภอเฉลิมพระเกียรติ อำเภอโชคชัย  
จังหวัดนครราชสีมา ช่วง กม.ที่ ๑๒+๕๐๐ ถึง กม.ที่ ๑๕+๓๐๐ ได้ตามคำขออนุญาตและรูปแบบ  
ประกอบการขออนุญาตครั้งนี้ โดยผู้ขออนุญาตต้องปฏิบัติตามเงื่อนไขการขออนุญาตทุกประการ

(นายสนธิ์ รัตนคงค์)

ผู้อำนวยการแขวงทางหลวงชนบทนครราชสีมา  
ปฏิบัติราชการแทน อธิบดีกรมทางหลวงชนบท

## เงื่อนไขประกอบการขออนุญาต

๑. ก่อนที่ผู้ใดได้รับอนุญาตจำลองเมื่อทำการก่อสร้าง ต้องแจ้งเป็นหนังสือให้เจ้าหน้าที่กรมทางหลวงชนบท  
เป็นการล่วงหน้าไม่น้อยกว่า ๗ วัน
๒. ผู้ได้รับอนุญาตจะต้องยินยอมให้เจ้าหน้าที่กรมทางหลวงชนบท เข้าตรวจสอบการทำงานได้  
ตลอดเวลา เพื่อเป็นการป้องกันความเสียหายที่จะเกิดขึ้นต่อทางหลวงชนบท
๓. ผู้ได้รับอนุญาตจะต้องตั้งป้ายจราจร ตลอดจนเครื่องหมายควบคุมการจราจรอื่น ๆ ในระหว่างการ  
ก่อสร้าง ตามมาตรฐานทางหลวงและแนวทางการปฏิบัติของคณะกรรมการป้องกันอุบัติเหตุแห่งชาติ  
หากจำเป็นต้องทำการก่อสร้างในเวลากลางคืน หรือส่วนของการก่อสร้าง หรือวัสดุอุปกรณ์ของการก่อสร้าง  
อาจเป็นอันตรายต่อผู้ใช้ทางในเวลากลางคืน ผู้ได้รับอนุญาตจะต้องจัดให้มีไฟฟ้าแสงสว่างอย่างเพียงพอ และ  
ป้ายจราจรที่ติดตั้งต้องเป็นชนิดสะท้อนแสง (Reflective) ด้วย
๔. ให้เจ้าหน้าที่กรมทางหลวงชนบท มีอำนาจสั่งให้หยุดการทำการก่อสร้างในกรณีที่การก่อสร้างนั้น  
จะทำความเสียหายให้แก่ทางหลวง หรืออันตรายต่อผู้ใช้เส้นทาง
๕. ผู้ได้รับอนุญาตจะต้องรับผิดชอบ และชดเชยค่าเสียหายอันเกิดจากการก่อสร้าง หรือสิ่งปลูกสร้าง  
ดังกล่าวที่มีต่อทางหลวง หรือผู้ใช้ทาง
๖. ในระหว่างการใช้สถานที่ที่ได้รับอนุญาต ผู้ขออนุญาตจะต้องควบคุมการใช้สถานที่ให้มีความเป็น  
ระเบียบเรียบร้อย และมีการรักษาความสะอาดสถานที่ และเมื่อครบกำหนดการขออนุญาต จะต้อง  
ดำเนินการทำความสะอาดเก็บขยะทั้งหมด อันเกิดจากกิจกรรมที่ใช้สถานที่ให้เรียบร้อย และแจ้งให้กรมทางหลวง  
ชนบทตรวจสอบจนเป็นที่พอใจ พร้อมทั้งจัดทำ As built Plan แบบตามที่ได้ก่อสร้างจริง ๒ ชุด มอบให้  
เจ้าหน้าที่กรมทางหลวงชนบทที่รับผิดชอบทางหลวงนั้นด้วย
๗. ในกรณีที่การขออนุญาตต้องทำการขุดหรือฉีกราวทางเท้า หรือส่วนอื่นใดในโครงสร้างถนนผู้ได้รับ  
อนุญาตจะต้องซ่อมแซมให้อยู่ในสภาพเดิม ตามมาตรฐานและวิธีการที่กรมทางหลวงชนบทกำหนด และต้อง  
รับผิดชอบความชำรุดเสียหาย ภายในเวลา ๒ ปี
๘. เมื่อกรมทางหลวงชนบทต้องสร้าง หรือขยายทางหลวง หรือซ่อมแซมบำรุงทางหลวงถ้าต้องรื้อ  
ถอนเคลื่อนย้ายสิ่งที่ได้รับอนุญาตเป็นการของของผู้ได้รับอนุญาตต้องดำเนินการภายในกำหนดที่ได้รับแจ้ง และ  
หากเกิดความเสียหายต่อทรัพย์สินของผู้ได้รับอนุญาต ผู้ได้รับอนุญาตจะไม่เรียกร้องค่าเสียหายใดๆ จาก  
กรมทางหลวงชนบท





ที่ กค ๐๓๑๑.๒๐/๑๗/๒๖

ศาลากลางจังหวัดนครราชสีมา  
ถนนมหาดไทย นม ๓๐๐๐๐

๕ กรกฎาคม ๒๕๖๐

เรื่อง อนุญาตให้วางท่อน้ำทิ้งและคันท่อลอดในที่ราชพัสดุ

เรียน ประธานกรรมการบริษัท กัลฟ์ เอ็นเนอร์จี จำกัด

อ้างถึง คำร้องขออนุญาตวางท่อน้ำทิ้งและคันท่อลอด ลงวันที่ ๑๖ มกราคม ๒๕๖๐

สิ่งที่ส่งมาด้วย ๑. แผนที่บริเวณที่อนุญาตให้ใช้ประโยชน์ จำนวน ๑ ชุด

๒. สำเนาบันทึกคำยินยอมปฏิบัติตามเงื่อนไขการวางท่อน้ำทิ้งและคันท่อลอด  
(จป.๒/๓๗) จำนวน ๑ ชุด

ตามคำร้องที่อ้างถึง ได้แจ้งความประสงค์ขออนุญาตวางท่อน้ำทิ้งและคันท่อลอดในบริเวณฝั่งขวาคลองส่งน้ำสายใหญ่ LMC ช่วงกิโลเมตรที่ ๖๙+๒๐๐ ถึงกิโลเมตรที่ ๗๑+๙๖๐ และบริเวณฝั่งซ้ายของคลองส่งน้ำสายย่อย ๔R-LMC อย่างเก็บน้ำลำพระเพลิง ช่วงกิโลเมตรที่ ๐+๐๐๐ ถึงกิโลเมตรที่ ๒+๑๕๒ ความยาวประมาณ ๙,๙๕๒ เมตร ขนาดเส้นผ่านศูนย์กลาง ๗ นิ้ว จำนวน ๑ แถว เพื่อระบายน้ำทิ้งในกระบวนการผลิตกระแสไฟฟ้าโดยใช้ก๊าซธรรมชาติเป็นเชื้อเพลิง ในเขตอุตสาหกรรมสุรนารี ตำบลหนองระเวียง อำเภอเมืองนครราชสีมา จังหวัดนครราชสีมา ซึ่งกรมชลประทานโดยสำนักงานชลประทานที่ ๘ ให้ความยินยอมใช้ประโยชน์ร่วมกันในที่ราชพัสดุดังกล่าว ความละเอียดแจ้งแล้ว นั้น

จังหวัดนครราชสีมาได้พิจารณาแล้ว อนุญาตให้บริษัท กัลฟ์ เอ็นเนอร์จี จำกัด ดำเนินการวางท่อน้ำทิ้งและคันท่อลอดในที่ราชพัสดุดังกล่าวตามแบบแปลนที่จัดส่งไปได้ และจะต้องปฏิบัติตามเงื่อนไขการดำเนินการวางท่อน้ำทิ้งและคันท่อลอดในที่ราชพัสดุตามแบบ จป.๒/๓๗ ที่กรมธนารักษ์กำหนด โดยจะต้องปฏิบัติตามต่อไปนี้

๑. ชำระค่าตอบแทนการใช้ประโยชน์ที่ดินราชพัสดุ เป็นเงิน ๑๖๔,๙๗๐.- บาท (หนึ่งแสนหกหมื่นห้าพันเก้าร้อยเจ็ดสิบบาทถ้วน)
๒. ชำระค่าธรรมเนียมการรังวัด เป็นเงิน ๒๐๐.-บาท (สองร้อยบาทถ้วน)
๓. ต้องปฏิบัติตามเงื่อนไขที่กรมธนารักษ์กำหนดตามบันทึกคำยินยอมปฏิบัติตามเงื่อนไขเรื่องการวางท่อน้ำทิ้งและคันท่อลอดในที่ราชพัสดุ (จป.๒/๓๗)
๔. ประสานกับสำนักงานชลประทานที่ ๘ เพื่อกำหนดเงื่อนไขการอนุญาตตามพระราชบัญญัติการชลประทานหลวง พ.ศ.๒๕๔๕

จึงเรียนมาเพื่อทราบ หากยินยอมปฏิบัติตามเงื่อนไข ขอให้ไปลงนามในบันทึกคำยินยอมฯ ไว้เป็นหลักฐาน พร้อมทั้งนำเงินดังกล่าวข้างต้น ไปชำระ ณ สำนักงานธนารักษ์พื้นที่นครราชสีมา ในวันและเวลาราชการ ภายใน ๑๕ วัน นับตั้งแต่วันที่ได้รับหนังสือฉบับนี้

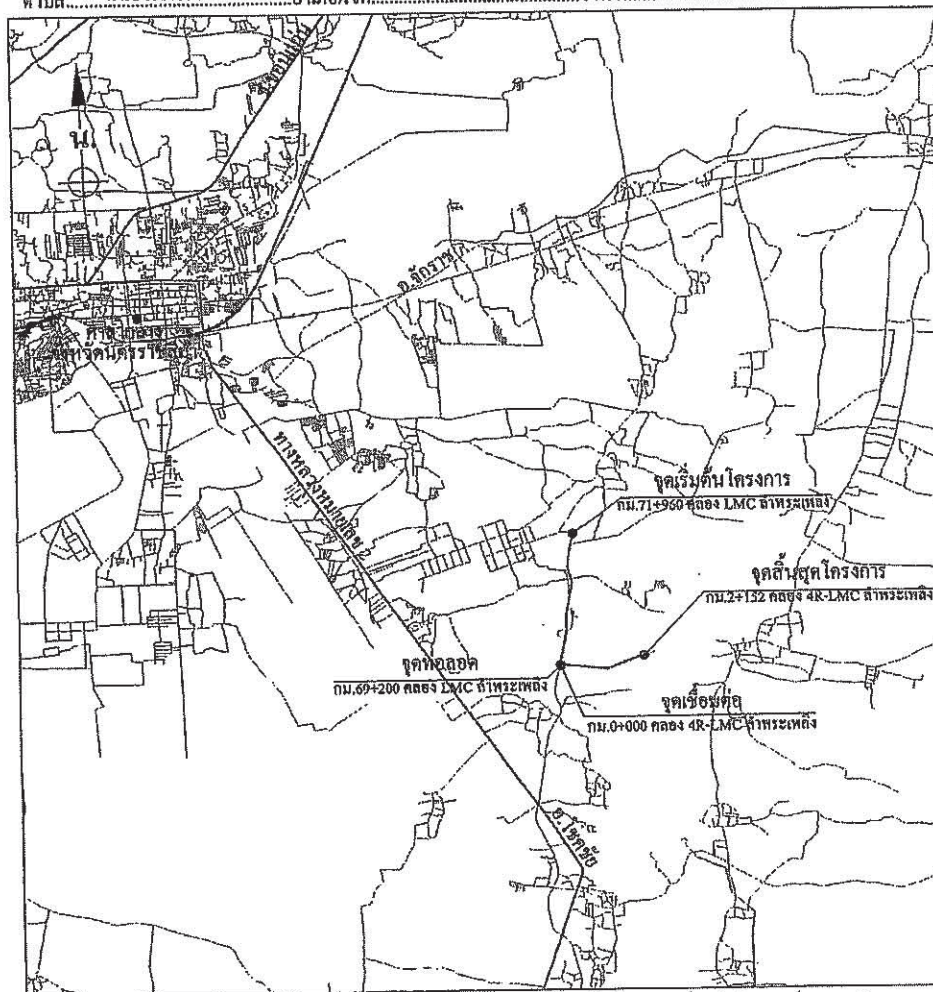
ขอแสดงความนับถือ

(นายธนพล จันทรมณี)

รองผู้ว่าราชการจังหวัด ปฏิบัติราชการแทน  
ผู้ว่าราชการจังหวัดนครราชสีมา

สำนักงานธนารักษ์พื้นที่  
โทร. ๐ ๔๒๐๔ ๓๖๓๒  
โทรสาร ๐ ๔๒๐๓ ๐๑๕๐

การขอใช้ประโยชน์ในที่ราชพัสดุในฝั่งขวาของคลองส่งน้ำ  
สายใหญ่ LMC และฝั่งซ้ายของคลองส่งน้ำสายย่อย 4R-LMC  
ราย... อำเภอเมืองนครราชสีมาเพื่อวางท่อน้ำทิ้งและคันท่อลอด... ที่ราชพัสดุหมายเลขทะเบียนที่... ส.น.ม.-  
หนังสือสำคัญสำหรับที่หลวง... เลขที่... เดิม... หน้า...  
เลขที่ดิน... หน้าสำรวจ... ระหว่าง 5438 III 9850, 9848, 0048 หมู่ที่... ถนน/ตรอก/ซอย...  
ตำบล... หนองระเวียง อำเภอ/เขต เมืองนครราชสีมา จังหวัด... นครราชสีมา



● แสดงจุดเริ่มต้นโครงการและจุดสิ้นสุดโครงการ — แสดงแนววางท่อคลองส่งน้ำสายใหญ่ LMC ช่วงกิโลเมตรที่ 69+200 ถึง 71+960 และคลองส่งน้ำสายย่อย 4R-LCM ช่วงกิโลเมตรที่ 0+000 ถึง 2+152 อย่างเก็บน้ำลำพระเพลิง

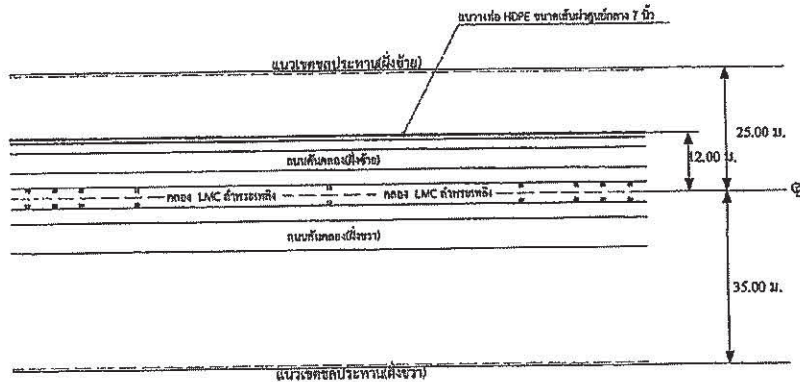
ชื่อ... ผู้เขียน  
(นายกฤษฎา เมษา)  
ตำแหน่ง นายช่างสำรวจ  
วันที่ ๒๕ มีนาคม ๒๕๖๐

ชื่อ... ผู้ตรวจ  
(นายปวีร์ พันธิยะ)  
ตำแหน่ง นายช่างสำรวจอาวุโส  
วันที่ ๒๕ มีนาคม ๒๕๖๐



แผนที่ (สร.9)  
 การขอใช้ประโยชน์ในที่ดินราชพัสดุในสิ่งของของกองก่งน้ำ  
 สายใหญ่ LMC และตั้งข้างของคลองสูบน้ำสายย่อย 4R-LMC  
 แสดงเขตเช่าที่ราชพัสดุทะเบียนเลขที่..... ส.นบ.-..... ราย, ย่างกับน้ำลำพระเพลิงที่วางท่อน้ำทิ้งและคันท่อดูด  
 หนังสือสำคัญสำหรับที่ดิน..... เลขที่..... เล่ม..... หน้า..... เลขที่ดิน.....  
 หน้าสำรวจ..... ระหว่าง 5438 III 9850 9848 0048 หมู่ที่..... ถนน/ตรอก/ซอย.....  
 ตำบล/แขวง..... หนองระเวียง อำเภอ/เขต..... เมืองนครราชสีมา จังหวัด..... นครราชสีมา  
 รั้ววัดวันที่..... มาตรการส่วน ๑ : ๑๐๐๐

.....ผู้ทำการรังวัด  
 ( นายกฤษณา เมฆา )



#### หมายเหตุ

— แสดงแนวเขตชลประทาน  
 — แสดงแนววางท่อน้ำทิ้งและคันท่อดูดชนิด HDPE  
 ขนาดเส้นผ่าศูนย์กลาง 7 นิ้ว จำนวน 1 แถว  
 ความยาวท่อทั้งหมดประมาณ 4,912 เมตร  
 เนื้อที่ 0-2-21.04 ไร่ (884.16 ตารางเมตร)

ลงชื่อ.....ผู้จำลอง  
 ( นายกฤษณา เมฆา )  
 ตำแหน่ง.....  
 วันที่ 13 มีนาคม 2560  
 ลงชื่อ.....ผู้ตรวจ  
 ( นายปริวรรต พันธุมี )  
 ตำแหน่ง.....  
 วันที่ 13 มีนาคม 2560

(จป.๒/๓๗)

บันทึกคำยินยอมปฏิบัติตามเงื่อนไข  
 เรื่อง การวางท่อน้ำทิ้งและคันท่อดูดในที่ดินราชพัสดุ  
 ตำบลหนองระเวียง อำเภอเมืองนครราชสีมา จังหวัดนครราชสีมา  
 แนวน้ำทิ้งหนังสือสำนักงานธนารักษ์พื้นที่นครราชสีมา  
 ที่ กค ๐๓๑๑.๒๐/๑๗๗๘๖ ลงวันที่ ๔ กรกฎาคม ๒๕๖๐

บันทึกระหว่าง นายสำราญ เมืองนิล ธนารักษ์พื้นที่นครราชสีมา กับบริษัท กัลป์ เอ็นอาร์วี ๑ จำกัด โดยนางสาวอนรรฆนงค์ มาศปิยวงศ์ ผู้รับมอบอำนาจช่วงตามหนังสือมอบอำนาจลงวันที่ ๑ มกราคม ๒๕๖๐ เพื่อเป็นหลักฐานแสดงว่า ได้รับทราบเงื่อนไขและยินยอมปฏิบัติตามเงื่อนไขที่ทางราชการกำหนด ดังนี้

ข้อ ๑ จะต้องวางท่อน้ำทิ้งและคันท่อดูดตามแบบแปลนที่แนบท้ายบันทึกนี้ โดยจะต้องนำแบบแปลนไปยื่นขออนุญาตต่อเจ้าพนักงานท้องถิ่นก่อน เมื่อได้รับอนุญาตแล้วจึงจะลงมือก่อสร้างได้

ข้อ ๒ จะต้องชำระค่าตอบแทนการใช้ประโยชน์ในที่ดินราชพัสดุ เป็นเงิน ๑๖๕,๙๗๐.- บาท (หนึ่งแสนหกหมื่นห้าพันเก้าร้อยเจ็ดสิบบาทถ้วน) ซึ่งให้เรียกเก็บค่าตอบแทนครั้งเดียว กรณีการใช้ประโยชน์เชิงพาณิชย์ เท่ากับ ๑.๕ เท่าของค่าเช่าเพื่ออยู่อาศัย ๓๐ ปี เนื้อที่ ๐-๒-๒๑.๐๔ ไร่ (๘๘๔.๑๖ ตารางเมตร)

ข้อ ๓ ในกรณีที่ผู้ก่อสร้างได้ดำเนินการวางท่อน้ำทิ้งและคันท่อดูดไปก่อนได้รับอนุญาตจากกรมธนารักษ์ ตั้งแต่วันที่ผู้ก่อสร้างจะต้องขอใช้ค่าเสียหายให้แก่ทางราชการเป็นเงินที่ต้องชำระ ..... บาท (.....) ตามหลักเกณฑ์ดังนี้

ค่าเสียหาย = ค่าตอบแทนการใช้ประโยชน์ x อัตราดอกเบี้ย x ระยะเวลา

ค่าตอบแทนการใช้ประโยชน์ = ค่าตอบแทนตามบันทึกข้อ ๒

อัตราดอกเบี้ย = อัตราดอกเบี้ยของพันธบัตรรัฐบาล ซึ่งขณะนี้ใช้อัตราร้อยละ ๕ ต่อปี

ระยะเวลา = ระยะเวลาที่ผู้ก่อสร้างเข้าใช้ประโยชน์ในที่ดินราชพัสดุก่อนได้รับอนุญาต จนถึงวันที่ทำบันทึกนี้ โดยให้คำนวณเป็นปีตามสัดส่วนของระยะเวลา เศษของเดือนให้นับเป็น ๑ เดือน

ข้อ ๔ จะต้องชำระค่าธรรมเนียมการรังวัด เป็นเงิน ๒๐๐.-บาท (สองร้อยบาทถ้วน)

ข้อ ๕ เมื่อทำการวางท่อน้ำทิ้งและคันท่อดูดแล้วเสร็จ ผู้ก่อสร้างจะต้องจัดทำบันทึกยกกรรมสิทธิ์ทางเชื่อมตามบันทึกข้อ ๑ ให้เป็นกรรมสิทธิ์ของกระทรวงการคลังโดยให้อยู่ในความดูแลของกรมชลประทาน และให้ใช้เพื่อสาธารณประโยชน์ได้

ข้อ ๖ หากมีการเปลี่ยนแปลงวัตถุประสงค์การใช้ประโยชน์ในที่ดินของผู้ได้รับอนุญาตเป็นอย่างอื่น หรือหากต่อไปในภายหลังก่อให้เกิด และมิบุคคลอื่นจะใช้ที่ดินราชพัสดุบริเวณดังกล่าวนี้ จะต้องขออนุญาตต่อทางราชการใหม่ โดยทางราชการขอสงวนสิทธิ์ที่จะเรียกเก็บเงินเพิ่มเติมในภายหลัง ตามหลักเกณฑ์ที่ทางราชการกำหนดด้วย

ข้อ ๗ ในกรณีที่ส่วนราชการผู้ครอบครองใช้ประโยชน์ในที่ดินราชพัสดุที่วางท่อน้ำทิ้งจำเป็นต้องกำหนดเงื่อนไขใดๆ เกี่ยวกับการใช้ทางเชื่อมเพื่อประโยชน์ในทางราชการ ผู้ก่อสร้างจะต้องปฏิบัติตามทุกประการ

/ข้าพเจ้า...

ข้าพเจ้ายินยอมปฏิบัติตามเงื่อนไขดังกล่าวข้างต้นทุกประการ จึงได้ลงลายมือชื่อไว้เป็นหลักฐานต่อเจ้าหน้าที่

วันที่ ๑๗ เดือน กรกฎาคม พ.ศ. ๒๕๖๐

ลงชื่อ.....ผู้ให้คำยินยอม  
(บริษัท กัลฟ์ เอ็นเนอร์จี จำกัด โดย นางสาวอนรรฆณ์ มาศปิยวงศ์)

ลงชื่อ.....ผู้รับคำยินยอม

(นายสำราญ เมืองนิล)

ธนารักษ์พื้นที่นครราชสีมา

ลงชื่อ.....พยาน

(นายณรงค์ศักดิ์ มะลิบัวดอกแก้ว)

เจ้าหน้าที่จัดผลประโยชน์ชำนาญการพิเศษ

ลงชื่อ.....พยาน

(นางสาวธารารัตน์ ฉานสำโรง)

เจ้าหน้าที่จัดผลประโยชน์ปฏิบัติการ



ที่ นม ๘๕๐๑๗/๗๕๕

องค์การบริหารส่วนตำบลหนองระเวียง  
อำเภอเมืองนครราชสีมา นม ๓๐๐๐๐

๑๗ กรกฎาคม ๒๕๖๐

เรื่อง การขออนุญาตวางท่อน้ำทิ้ง และดินท่อลอด ในเขตถนนสาธารณะประโยชน์

เรียน กรรมการผู้จัดการบริษัท กัลฟ์ เอ็นเนอร์จี จำกัด

อ้างถึง หนังสือที่ GNRV ๑๐ ๐๒๑๗/๐๑๖ ลงวันที่ ๒ กุมภาพันธ์ ๒๕๖๐

ตามหนังสือที่อ้างถึง บริษัท กัลฟ์ เอ็นเนอร์จี จำกัด มีโครงการจะก่อสร้างโรงไฟฟ้าพลังงานความร้อนร่วม ในพื้นที่เขตอุตสาหกรรมสุรนารี ตำบลหนองระเวียง อำเภอเมืองนครราชสีมา จังหวัดนครราชสีมา โดยมีแผนงานในการก่อสร้างท่อน้ำทิ้งและดินท่อลอดในเขตถนนสาธารณะประโยชน์ ซึ่งถนนดังกล่าวอยู่ในเขตความรับผิดชอบและดูแลขององค์การบริหารส่วนตำบลหนองระเวียง นั้น

องค์การบริหารส่วนตำบลหนองระเวียงได้พิจารณาแล้ว มีความเห็นในเบื้องต้นว่าบริเวณพื้นที่ดังกล่าวสามารถดำเนินการได้ แต่ต้องปฏิบัติตามขั้นตอนของระเบียบ และกฎหมายที่เกี่ยวข้อง

จึงเรียนมาเพื่อโปรดทราบ

ขอแสดงความนับถือ

(นายอนุชา ศิริโกคานนท์)

นายกองค์การบริหารส่วนตำบลหนองระเวียง

กองช่าง

โทร. ๐-๕๔๔๖-๐๒๓๓-๒ ต่อ ๓

โทรสาร. ๐-๕๔๔๖-๐๒๓๓

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หนังสืออนุญาตให้ฝังท่อ/วางท่อ น้ำทิ้งและท่อลอด... และ/หรือใช้น้ำในเขตที่ดินของกรมชลประทาน

ที่ ๑ / ๒๕๖๑.....

โครงการ...ส่งน้ำและบำรุงรักษาลำพระเพลิง.  
วันที่.....เดือน.....ปี..... พ.ศ. ๒๕๖๑.....

อาศัยอำนาจตามความในมาตรา ๒๓ มาตรา ๒๕ แห่งพระราชบัญญัติการชลประทานหลวง พุทธศักราช ๒๔๘๔ ซึ่งแก้ไขเพิ่มเติมโดยพระราชบัญญัติการชลประทานหลวง (ฉบับที่ ๓) พ.ศ. ๒๕๐๗ และมาตรา ๒๖ แห่งพระราชบัญญัติการชลประทานหลวง พุทธศักราช ๒๔๘๔ ซึ่งแก้ไขเพิ่มเติมโดยพระราชบัญญัติการชลประทานหลวง (ฉบับที่ ๒) พ.ศ. ๒๕๔๗

นาย.....ภุชงค์ วิไลกิจ..... ตำแหน่ง.....ผู้ชำนาญการโครงการส่งน้ำและบำรุงรักษาลำพระเพลิง.....เป็นเจ้าพนักงานและหรือเป็นเจ้าพนักงานผู้ได้รับมอบหมาย ได้ออกหนังสืออนุญาตฉบับนี้ให้แก่.....บริษัท.....จำกัด.....โดย.....นางสาวอนรรฆมา.....มณีนิยวงศ์..... ตำแหน่ง.....ผู้รับมอบอำนาจ..... อายุ.....๓๔..... ปี สัญชาติ.....ไทย..... เป็นผู้แทน ตามหนังสือหรือตามหนังสือมอบอำนาจที่..... ลงวันที่.....๒๓..... เดือน.....กุมภาพันธ์..... พ.ศ. ๒๕๕๕..... สำนักงานตั้งอยู่เลขที่.....๘๗.....อาคารเอ็มไทยทาวเวอร์.....ออกที่.....๑๑..... ถนน.....วิญญู..... ตำบล/แขวง.....คูมณี..... อำเภอ/เขต.....ปทุมวัน..... จังหวัด.....กรุงเทพมหานคร..... เพื่อเป็นหลักฐานแสดงว่าได้ อนุญาตให้ฝังท่อ/วางท่อ ขนาด.....เส้นผ่านศูนย์กลาง.....๗..... นิ้ว..... ในเขต.....คลองส่งน้ำสายใหญ่.....ฝั่งซ้าย..... (L.M.C) ลำพระเพลิง.....และ.....คลองชลประทาน.....๘๖.....L.M.C.....ลำพระเพลิง..... ณ.....กิโลเมตรที่.....๖๕+๒๐๐.....ถึง.....๗๑+๕๐๐..... ฝั่งซ้าย.....ของคลองส่งน้ำสายใหญ่..... (L.M.C) ลำพระเพลิง.....และ.....กม.ที่.....๐+๐๐๐.....ถึง.....๒+๑๕๒..... ฝั่งซ้าย.....ของคลองส่งน้ำสายชลประทาน..... (๘๖.....L.M.C) ลำพระเพลิง.....รวมเป็นความยาว.....๔.๕๑๒..... กิโลเมตร..... ตำบล/แขวง.....หนองปรือ..... อำเภอ/เขต.....เมืองนครราชสีมา..... จังหวัด.....นครราชสีมา..... และอนุญาตให้ใช้น้ำจากทางน้ำชลประทาน.....คลองส่งน้ำสายใหญ่.....ฝั่งซ้าย..... (L.M.C) ลำพระเพลิง.....และ.....คลองชลประทาน.....๘๖.....L.M.C.....ลำพระเพลิง..... ไปใช้เพื่อการ.....ผลิตกระแสไฟฟ้าโดยใช้.....ถ่านหิน.....โดยให้.....วิศวกรรมเขตนครราชสีมา..... โดยมีเงื่อนไขดังต่อไปนี้

ข้อ ๑ อนุญาตให้ใช้พื้นที่บริเวณ.....คลองส่งน้ำสายใหญ่.....ฝั่งซ้าย..... (L.M.C) ลำพระเพลิง.....และ.....คลองชลประทาน.....๘๖.....L.M.C.....ลำพระเพลิง..... ในเขตโครงการ.....ส่งน้ำและบำรุงรักษาลำพระเพลิง.....ดังนี้

๑.๑ ฝังท่อน้ำทิ้งและท่อลอด.....ขนาด.....เส้นผ่านศูนย์กลาง.....๗..... นิ้ว.....

๑.๒ .....

๑.๓ .....

๑.๔ .....

ในการฝังท่อ/วางท่อ.....น้ำทิ้งและต้นท่อลอด.....ใช้น้ำและก่อสร้าง.....ให้ดำเนินการตามแบบแปลน.....แผนผังของ.....บริษัท.....จำกัด.....หมายเลข.....๒๕๕๕๗.....จำนวน.....๑๕..... แผ่น และ.....แผนที่รูปตัดของโครงการ.....ส่งน้ำและบำรุงรักษาลำพระเพลิง.....หมายเลข.....๑๗๗/๒๕๕๕..... จำนวน.....๑๒.....แผ่น รวมจำนวน.....๓๑.....แผ่น ซึ่งแนบท้ายหนังสืออนุญาตฉบับนี้เพื่อเป็นหลักฐานของหนังสืออนุญาตฉบับนี้ด้วย

โดยมี.....นายประสิทธิ์.....ประวัง.....เป็นวิศวกรผู้ออกแบบและคำนวณ ใบอนุญาต ประกอบวิชาชีพ วิศวกรรมควบคุม ประเภท.....สามัญวิศวกรรม.....สาขา.....โยธา.....ตามใบอนุญาต ทะเบียน.....๕๕๕๕.....วันหมดอายุ.....๕.....ก.พ. ๒๕๖๒.....

และมี.....นายสมชาย.....ฤกษ์ทรัพย์.....เป็นวิศวกรผู้ควบคุมงานใบอนุญาตประกอบวิชาชีพวิศวกรรม ประเภท.....สามัญวิศวกรรม.....สาขา.....วิศวกรรมโยธา..... ตามใบอนุญาตทะเบียน.....๕๕๕๕.....วันหมดอายุ.....๕.....ก.พ. ๒๕๖๒..... และขณะนี้ไม่ได้ถูกเพิกถอนใบอนุญาตให้ประกอบวิชาชีพ

ข้อ ๒ การพิจารณาฐานรากของตอม่อของท่อ.....น้ำทิ้ง.....และต้นท่อลอด..... เฉพาะช่วงกลางคลอง ให้ถือระดับการขุดลอกตามแบบโดยเจ้าหน้าที่ชลประทานจะเป็นผู้กำหนดให้ ทั้งนี้เพื่อให้.....เกิดความเสียหาย.....เมื่อกรมชลประทานจะทำการขุดลอกทางน้ำชลประทานในโอกาสต่อไป

ข้อ ๓ แนวเสาคอม่อของท่อทุกต้นที่ตอกลงในทางน้ำชลประทาน จะต้องขนานกับแนวกระแส น้ำ กับให้ศูนย์กลางของสะพานรับท่อช่วงกลางอยู่ในแนวเดียวกับศูนย์กลางทางน้ำชลประทานด้วย

ข้อ ๔ ก่อนดำเนินการฝังท่อ/วางท่อ.....น้ำทิ้ง.....และต้นท่อลอด.....ผู้รับอนุญาตจะต้องแจ้งให้.....ผู้อำนวยการโครงการ.....ส่งน้ำและบำรุงรักษาลำพระเพลิง.....ทราบล่วงหน้าไม่น้อยกว่า ๗ วัน เพื่อจะได้ส่งเจ้าหน้าที่ชลประทานไปกำหนดแนว ระดับ และระยะต่าง ๆ ให้ แล้วจึงจะดำเนินการได้

ข้อ ๕ ในการดำเนินการฝังท่อ/วางท่อ.....น้ำทิ้ง.....และต้นท่อลอด.....ผู้รับอนุญาตจะต้องจัดทำนายช่าง เป็นผู้ควบคุม ท่อ.....น้ำทิ้ง.....และต้นท่อลอด..... ที่อนุญาตให้ฝัง/วางนี้ ผู้รับอนุญาตจะต้องจัดทำนายช่าง เป็นผู้ควบคุม ดำเนินการเอง กรมชลประทานไม่รับรองความมั่นคงแข็งแรง หากท่อ.....น้ำทิ้ง.....และต้นท่อลอด.....เกิดการชำรุดและทำให้.....ผู้อื่นได้รับความเสียหาย.....ผู้รับอนุญาตจะต้องเป็นผู้รับผิดชอบ

ข้อ ๕ ในระหว่างดำเนินการฝังท่อ/วางท่อ.....น้ำทิ้ง.....และต้นท่อลอด.....หรือดำเนินการ ทำนั้งร้านเพื่อทำการฝังท่อ/วางท่อ.....น้ำทิ้ง.....และต้นท่อลอด.....ก็ตี ผู้รับอนุญาตจะต้องอำนวยความสะดวก แก่ประชาชน ให้สัญจรไปมาได้ ตามปกติ หากท่อ.....น้ำทิ้ง.....และต้นท่อลอด.....หรือนั้งร้านเกิดการชำรุด และทำให้ผู้สัญจรยานพาหนะที่สัญจรไปมาหรือทรัพย์สินอื่นใด ได้รับอันตรายหรือเกิดความเสียหายแล้วแต่กรณี ผู้รับอนุญาตจะต้องรับผิดชอบ

ข้อ ๖ ผู้รับอนุญาตจะต้องบำรุงรักษาที่ดินบริเวณที่ฝังท่อ/วางท่อ.....น้ำทิ้ง.....และต้นท่อลอด.....มิให้ชำรุดทรุดโทรม และจะไม่ทิ้งสิ่งโสโครกและขยะมูลฝอยลงไปในทางน้ำชลประทาน ขานคลอง เขตคันคลอง หรือขุดทำลายที่ดินขานคลองให้เสียหายผิดไปจากสภาพเดิม ถ้าจะทำการรื้อถอน หรือต่อเติมส่วนหนึ่งส่วนใด ของท่อ.....น้ำทิ้ง.....และต้นท่อลอด.....นอกเหนือไปจากแบบจะต้องได้รับอนุญาตจากกรมชลประทาน เป็นลายลักษณ์อักษร เสียก่อนทุกครั้งไว้ ถ้าได้ทำไปก่อนโดยไม่ได้รับอนุญาต กรมชลประทานมีอำนาจบังคับ ให้รื้อถอนและหรือให้ค่าเสียหายแก่กรมชลประทานได้

ข้อ ๗ เมื่อฝังท่อ/วางท่อ.....น้ำทิ้ง.....และต้นท่อลอด.....เสร็จแล้ว ผู้รับอนุญาตจะต้อง รื้อถอนนั้งร้านและเก็บวัสดุต่างๆ ที่ไม่ใช่ชิ้นจากทางน้ำชลประทาน และนำออกไปให้พ้นเขตทางน้ำชลประทาน ขานคลอง เขตคันคลองทันที

ข้อ ๘ ผู้รับอนุญาตจะต้องจัดให้มีวิศวกร ผู้ออกแบบและคำนวณ และควบคุมการก่อสร้าง ตามพระราชบัญญัติ วิศวกรรม พ.ศ. ๒๕๔๖ และกฎกระทรวงกำหนดสาขาวิชาชีพวิศวกรรมและวิชาชีพวิศวกรรมควบคุม พ.ศ. ๒๕๔๐ นายช่าง ชลประทานมีสิทธิจะเข้าตรวจสอบการก่อสร้าง และถ้าเห็นว่ามีการก่อสร้างผิดพลาด อันเนื่องจากไม่เป็นไปตามเงื่อนไข แบบแปลนหรือเพื่อความเหมาะสม นายช่างชลประทานมีสิทธิสั่งให้แก้ไข รื้อย้าย เพื่อให้เป็นการถูกต้อง ซึ่งผู้รับอนุญาต จะต้องปฏิบัติตามทันที และในการเปลี่ยนแปลงแก้ไขให้ผู้รับอนุญาต จะเรียกหรือค่าเสียหายใดๆ จากกรมชลประทานไม่ได้

ข้อ ๙ ผู้รับอนุญาตจะต้องทำคันดินล้อมรอบบริเวณที่ดินของผู้รับอนุญาตให้มีความมั่นคง แข็งแรง เพื่อป้องกัน น้ำรั่วไหลไปทำความเดือดร้อนแก่ผู้อื่นซึ่งอยู่ใกล้เคียงและเสียน้ำไปโดยเปล่าประโยชน์ ในกรณีทางน้ำชลประทานมีการส่งน้ำในระบอบรอบเวร หรือมีการก่อสร้าง ปรับปรุง ซ่อมแซม ตัวคลองไม่อาจส่งน้ำได้ตลอดระยะเวลา เพื่อป้องกันความเสียหายในการใช้จากทางน้ำชลประทาน ผู้รับอนุญาต จะต้องมีการส่งน้ำไว้หากกรณีเกิดวิกฤติขาดแคลนน้ำจากทางน้ำชลประทาน กรมชลประทานสงวนสิทธิ ที่จะจัดสรรปริมาณน้ำได้ตามความจำเป็น



ข้อ ๑๐ ในระหว่างดำเนินการขุด/วางท่อ.....น้ำทิ้ง และดินที่ขุด..... ผู้รับอนุญาต จะต้องยินยอมให้นายช่างชลประทานตรวจสอบการขุด/วางท่อ.....น้ำทิ้ง และดินที่ขุด.....ได้ ถ้านายช่างชลประทานเห็นว่า การขุด/วางท่อ.....น้ำทิ้ง และดินที่ขุด.....ไม่ถูกต้อง หรือเห็นสมควร ให้แก้ไขเปลี่ยนแปลง เพื่อความเหมาะสม นายช่างชลประทานมีอำนาจสั่งแก้ไขเปลี่ยนแปลงได้ และผู้รับอนุญาตจะต้อง ปฏิบัติตามที่ โดยจะเรียกค่าเสียหายใดๆ จากกรมชลประทานไม่ได้ ถ้าผู้รับอนุญาตไม่ปฏิบัติตาม นายช่างชลประทานมีอำนาจสั่งให้เรียกท่อออกไปให้พ้นเขต คลองส่งน้ำสายใหญ่ สิ่งช่วย (LMC).....ลำพระเพลิง และ คลองขอม ๔๕.-LMC ลำพระเพลิง..... และทำที่ดินให้คงสภาพเดิม ตลอดจนมีสิทธิเรียกร้องให้ชดใช้ค่าเสียหายได้

ข้อ ๑๑ เมื่อผู้รับอนุญาตขุด/วางท่อ.....น้ำทิ้ง และดินที่ขุด..... ถูกต้อง ตามเงื่อนไขในหนังสืออนุญาตนี้ และตามที่นายช่างชลประทานสั่งกระทำแล้ว ผู้รับอนุญาตต้องปรับปรุงดินหลังท่อ ให้เรียบร้อย คงสภาพเดิม และจะต้องซ่อมแซมบำรุงรักษาที่ดินบริเวณที่ขุดให้มีให้ชำรุดทรุดโทรมจะไม่ชุดทำลาย

ที่ดิน.....คลองส่งน้ำสายใหญ่ สิ่งช่วย (LMC).....ลำพระเพลิง และ คลองขอม ๔๕.-LMC ลำพระเพลิง..... ให้เสียหายผิดแผกไปจากสภาพเดิม ถ้าจะทำการแก้ไข เปลี่ยนแปลงหรือต่อเติมส่วนหนึ่งส่วนใดของท่อ ให้นอกเหนือไปจากเงื่อนไขที่กำหนดในหนังสืออนุญาต จะต้อง ได้รับอนุญาตเป็นลายลักษณ์อักษรจากกรมชลประทานก่อนทุกครั้ง ถ้าได้ทำไปก่อนโดยมิได้รับอนุญาต กรมชลประทานมีอำนาจบังคับให้รื้อถอน และหรือให้ชดใช้ค่าเสียหายแก่กรมชลประทานได้

ข้อ ๑๒ ในการดำเนินการขุด/วางท่อ.....น้ำทิ้ง และดินที่ขุด.....ผู้รับอนุญาต จะต้องระมัดระวังมิให้น้ำในทางน้ำชลประทาน.....คลองส่งน้ำสายใหญ่ สิ่งช่วย (LMC).....ลำพระเพลิง และ คลองขอม ๔๕.-LMC ลำพระเพลิง สกปรก

ข้อ ๑๓ ผู้รับอนุญาตจะต้องยินยอมให้เจ้าหน้าที่กรมชลประทานเข้าตรวจสอบการขุดน้ำและ การใช้ตามหนังสืออนุญาตนี้ได้ และผู้รับอนุญาตยินยอมปฏิบัติตามคำสั่งหรือคำแนะนำของเจ้าหน้าที่ชลประทาน ทุกประการ

ข้อ ๑๔ อนุญาตให้น้ำนำไปใช้เพื่อ..... ปริมาณไม่เกิน ..... เท่านั้น ห้ามนำน้ำไปใช้เพื่อกิจการอื่นเป็นอันขาด

ข้อ ๑๕ เมื่อเกิดการขาดแคลนน้ำ และกรมชลประทานมีความจำเป็นต้องสงวนน้ำในทางน้ำ ชลประทานคลองส่งน้ำสายใหญ่ สิ่งช่วย (LMC).....ลำพระเพลิง และ คลองขอม ๔๕.-LMC ลำพระเพลิง.....ไว้สำหรับประชาชน หรือเมื่อทางราชการต้องการน้ำจาก ทางน้ำชลประทานไปใช้ไม่ว่ากรณีใดๆ กรมชลประทานจะได้แจ้งให้ผู้รับอนุญาตทราบเป็นลายลักษณ์อักษร และผู้รับอนุญาตจะต้องหยุดใช้น้ำทันที เมื่อความจำเป็นได้ผ่านพ้นไปแล้ว กรมชลประทานจะได้แจ้งให้ผู้รับ อนุญาตใช้น้ำในทางน้ำชลประทานได้ต่อไป

ข้อ ๑๖ ผู้รับอนุญาตจะต้องติดตั้งมิเตอร์ (มาตรวัดน้ำ) และจดจำนวนน้ำที่นำไปใช้ส่งให้โครงการ.....ส่งน้ำและบำรุงรักษาลำพระเพลิง..... เป็นประจำทุกเดือน และเมื่อทางน้ำชลประทานได้ออกกฎกระทรวงกำหนด ให้เป็นทางน้ำชลประทานที่จะเรียกเก็บค่าชลประทานตามมาตรา ๘ แล้ว ผู้รับอนุญาตจะต้องชำระค่าชลประทาน ให้แก่กรมชลประทานตามอัตราค่าชลประทานที่กฎหมายกำหนดไว้นับแต่วันประกาศในราชกิจจานุเบกษา

ข้อ ๑๗ เพื่อประโยชน์แก่ทางราชการ ถ้ากรมชลประทานมีความจำเป็นต้องรื้อถอนท่อ/สิ่งก่อสร้าง ตามที่ได้ อนุญาตไว้ กรมชลประทานจะได้แจ้งให้ผู้รับอนุญาตทราบเป็นลายลักษณ์อักษร และผู้รับอนุญาตจะต้อง รื้อถอนท่อ/สิ่ง ก่อสร้างออกไปให้พ้นเขต.....คลองส่งน้ำสายใหญ่ สิ่งช่วย (LMC).....ลำพระเพลิง และ คลองขอม ๔๕.-LMC ลำพระเพลิง ภายใน ๓๐ วัน นับตั้ง วันที่ได้รับแจ้งเป็นลายลักษณ์อักษร และจะต้องปรับปรุงบริเวณดังกล่าวให้คงสภาพเดิม ถ้าผู้รับ อนุญาตเพิกเฉย ไม่ดำเนินการ กรมชลประทานจะดำเนินการเอง โดยผู้รับอนุญาตจะต้องชดใช้ค่าใช้จ่ายในการนี้ให้แก่ กรมชลประทานทั้งสิ้น

ข้อ ๑๘ ถ้าผู้รับอนุญาตไม่ปฏิบัติให้เป็นไปตามเงื่อนไขของหนังสืออนุญาตฉบับนี้ข้อหนึ่งข้อใด ก็ตาม กรมชลประทานมีอำนาจที่จะเพิกถอนการอนุญาตได้ทันที โดยผู้รับอนุญาตจะเรียกร้องค่าเสียหายใดๆ จากกรมชลประทานมิได้

ข้อ ๑๙ หนังสืออนุญาตฉบับนี้มีกำหนด.....๕.....ปี นับตั้งแต่วันถัดจากวันที่ อนุญาตได้ลงนามในหนังสือ อนุญาตเป็นต้นไป

ก่อนครบกำหนดเวลาการอนุญาต หากผู้รับอนุญาตยังมีความประสงค์จะขอขุด/วางท่อ.....น้ำทิ้ง และดินที่ขุด.....ตลอด ในเขต.....คลองส่งน้ำสายใหญ่ สิ่งช่วย (LMC).....ลำพระเพลิง และ คลองขอม ๔๕.-LMC ลำพระเพลิง.....และใช้น้ำจากทางน้ำชลประทาน ต่อไปอีก ก็ให้ทำหนังสือขอต่ออายุหนังสืออนุญาตไปยังกรมชลประทานก่อนครบกำหนดเวลา การอนุญาตไม่น้อยกว่า ๓๐ วัน แต่กรมชลประทานสงวนสิทธิที่จะอนุญาตหรือไม่ก็ได้ โดยจะคำนึงถึงงานชลประทานเป็น ประการสำคัญ

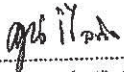
เมื่อผู้รับอนุญาตหมดความจำเป็นจะใช้ท่อ/สิ่งก่อสร้าง ที่ได้รับอนุญาตนี้หรือสิ้นสุดระยะเวลา การอนุญาต หรือ การอนุญาตถูกเพิกถอน ผู้รับอนุญาตจะต้องรื้อถอนท่อ/สิ่งก่อสร้างออกไปให้พ้นเขต.....คลองส่งน้ำสายใหญ่ สิ่งช่วย (LMC).....ลำพระเพลิง และ คลองขอม ๔๕.-LMC ลำพระเพลิง.....และทำที่ดินให้เรียบร้อย หากผู้รับอนุญาตเพิกเฉย ไม่ดำเนินการ กรมชลประทานจะดำเนินการเอง โดยผู้รับอนุญาตจะต้องชดใช้ค่าใช้จ่ายในการนี้ให้แก่กรมชลประทาน ทั้งสิ้น

ข้อ ๒๐ กรณีที่ดินเขตคลองหรือที่ดินที่ขออนุญาต.....คลองส่งน้ำสายใหญ่ สิ่งช่วย (LMC).....ลำพระเพลิง และ คลองขอม ๔๕.-LMC ลำพระเพลิง.....เป็นที่ราชพัสดุ ผู้รับอนุญาตได้รับความเห็นชอบหรืออนุญาตจาก กรมธนารักษ์/ผู้ว่าราชการจังหวัด.....นครราชสีมา.....แล้วตามหนังสือที่.....กค.๑๓๓๑.๒๐/๑๗๗๕๖..... ลงวันที่.....๕.....เดือน.....กรกฎาคม.....พ.ศ.....๒๕๖๑.....

ก่อนลงนามในหนังสืออนุญาตผู้รับอนุญาตได้ชำระค่าทดแทนการใช้ประโยชน์ที่ดินที่ราชพัสดุ..... เป็นเงิน.....๑๖๕,๙๗๑.๐๐.....บาท (.....) ค่าธรรมเนียม การตรวจแบบ เป็นเงิน.....๒๐๐.๐๐.....บาท (.....) ค่าธรรมเนียมการรังวัด เป็นเงิน.....๒๐๐.๐๐.....บาท (.....) ให้กับกรมธนารักษ์ โดยสำนักงานธนารักษ์พื้นที่.....จังหวัดนครราชสีมา.....แล้ว ตามใบเสร็จรับเงินเลขที่.....ม.๑๓๖๒๘/๑๗๖๑.....เล่มที่..... ลงวันที่.....๑๗.....เดือน.....กรกฎาคม.....พ.ศ.....๒๕๖๑.....

กรณีที่ดินเขตคลองหรือที่ดินที่ขออนุญาต.....คลองส่งน้ำสายใหญ่ สิ่งช่วย (LMC).....ลำพระเพลิง และ คลองขอม ๔๕.-LMC ลำพระเพลิง..... เป็นที่สาธารณประโยชน์ อำนาจการดูแลเป็นไปตามพระราชบัญญัติลักษณะปกครองท้องที่ พุทธศักราช ๒๔๕๗ ซึ่งผู้รับอนุญาตได้รับความเห็นชอบจาก.....นายธนพล จันทรมณี.....แล้ว ตามหนังสือ ที่.....กค.๑๓๓๑.๒๐/๑๗๗๕๖..... ลงวันที่.....๕.....เดือน.....กรกฎาคม.....พ.ศ.....๒๕๖๑..... หรือตาม พระราชบัญญัติสภาตำบล และองค์การบริหารส่วนตำบล พ.ศ. ๒๕๓๗ ตามหนังสือขององค์การบริหารส่วนตำบล..... ที่..... ลงวันที่.....เดือน.....พ.ศ.....และตาม พระราชบัญญัติการเดินเรือในน่านน้ำไทย พุทธศักราช ๒๔๕๖ กรมเจ้าท่า หรือองค์ปกครองส่วนท้องถิ่นอนุญาตให้ ปลุกสร้างสิ่งล่วงล้ำลำน้ำ ตามใบอนุญาตเลขที่..... ลงวันที่.....เดือน.....พ.ศ.....

กรณีเป็นที่ดินของรัฐประเภทอื่นซึ่งอยู่ในความครอบครองดูแลใช้ประโยชน์ของกรมชลประทาน ต้องดำเนินการ  
ให้ถูกต้องตามกฎหมายของส่วนราชการนั้น ตามหนังสือของ.....  
ที่..... ลงวันที่..... เดือน..... พ.ศ.....

ลงชื่อ..... ..... เจ้าพนักงานสัญญา  
(นายภฤพล...วิไลกิจ.)

ข้าพเจ้าได้อ่าน และเข้าใจข้อความ รายละเอียดของหนังสืออนุญาตฉบับนี้ดีแล้ว และขอรับรองว่า จะปฏิบัติตาม  
เงื่อนไขของกรมชลประทานโดยเคร่งครัดทุกประการ

ลงชื่อ..... ..... ผู้รับอนุญาต  
(นางสาวอนรรฆมนต์...มาศปิยะวงศ์.)



26 กันยายน 2560

เรื่อง ขอความเห็นชอบในการกำหนดวิธีการจัดการกับต้นไม้ในแนวเขตการวางท่อน้ำทิ้ง ท่อน้ำดิบและต้นท่อน้ำทิ้งในบริเวณพื้นที่เขตชลประทาน

เรียน ผู้อำนวยการโครงการส่งน้ำและบำรุงรักษาลำพระเพลิง

สิ่งที่ส่งมาด้วย: 1.รายงานการสำรวจต้นไม้ในแนวเขตการวางท่อน้ำทิ้ง ท่อน้ำดิบและต้นท่อน้ำทิ้งในบริเวณพื้นที่เขตชลประทาน  
2.สำเนาหนังสืออนุญาตให้วางท่อน้ำทิ้งและต้นท่อน้ำทิ้งในที่ราชพัสดุ ที่ กค๐๓๑๑.๒๐/๑๗๗๘๖ ลงวันที่ ๔ กรกฎาคม ๒๕๖๐  
3.สำเนาหนังสืออนุญาตให้วางท่อน้ำดิบและต้นท่อน้ำทิ้งในที่ราชพัสดุ ที่ กค๐๓๑๑.๒๐/๑๖๙๓๗ ลงวันที่ ๒๖ มิถุนายน ๒๕๖๐  
4.สำเนาหนังสืออนุญาตให้ฝังท่อ/วางท่อน้ำทิ้งและท่อน้ำดิบและ/หรือใช้น้ำในเขตที่ดินของกรมชลประทาน ที่ ๑/๒๕๖๐ ลงวันที่ ๓๐ สิงหาคม ๒๕๖๐  
5.สำเนาหนังสืออนุญาตให้ฝังท่อ/วางท่อน้ำดิบและท่อน้ำดิบและ/หรือใช้น้ำในเขตที่ดินของกรมชลประทาน ที่ ๒/๒๕๖๐ ลงวันที่ ๓๐ สิงหาคม ๒๕๖๐

ตามที่มาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม ระยะก่อนก่อสร้างและระยะก่อสร้างของบริษัท กัลฟ์ เอ็นเนอร์จี จำกัด ผู้ดำเนินโครงการโรงไฟฟ้าหนองระเวียง 1 และบริษัท กัลฟ์ เอ็นเนอร์จี จำกัด ผู้ดำเนินโครงการโรงไฟฟ้าหนองระเวียง 2 ("โครงการฯ") ซึ่งตั้งอยู่ที่เขตอุตสาหกรรมสุรนารี อำเภอเมืองนครราชสีมา จังหวัดนครราชสีมา ระบุไว้ในกรณีที่แนวการวางท่อต้องข้ามที่ดินไม่อยู่ในพื้นที่ ทางโครงการฯ ต้องมีการปฏิบัติตามวิธีการที่กำหนดของหน่วยงานอนุญาตนั้น ในการจัดการกับต้นไม้ดังกล่าว ซึ่งทางโครงการฯ ได้ดำเนินการสำรวจต้นไม้ในแนวเขตการวางท่อน้ำทิ้ง ท่อน้ำดิบและต้นท่อน้ำทิ้งในบริเวณพื้นที่เขตชลประทาน ก่อนเริ่มดำเนินการวางท่อซึ่งพบต้นไม้ที่ตั้งอยู่ในแนวเขตการวางท่อตามรายงานการสำรวจต้นไม้ จำนวน 29 ต้น รายละเอียดตามสิ่งที่ส่งมานั้น

ทางโครงการฯ จึงมีความประสงค์ขออนุญาตและขอความเห็นชอบในการกำหนดวิธีการจัดการกับต้นไม้ในแนวเขตการวางท่อน้ำทิ้ง ท่อน้ำดิบและต้นท่อน้ำทิ้งในบริเวณพื้นที่เขตชลประทาน

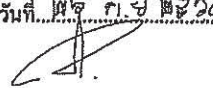
จึงเรียนมาเพื่อโปรดพิจารณาอนุญาตและให้ความเห็นชอบในการกำหนดวิธีการจัดการกับต้นไม้ในแนวเขตการวางท่อน้ำทิ้ง ท่อน้ำดิบและต้นท่อน้ำทิ้งในบริเวณพื้นที่เขตชลประทาน

ขอแสดงความนับถือ

  
(นายกิตติพล จิตราญกิจ)

ผู้จัดการโครงการก่อสร้างโรงไฟฟ้าหนองระเวียง 1-2

ผู้ประสานงาน : นายชวลิต ยานิม โทร 098-6462263

ทั้งนี้ทางโครงการฯ  
ฝ่ายส่งน้ำและบำรุงรักษาที่ 3  
วันที่ ๒๕ ก.ย. ๒๕๖๐  
วันที่ ๒๕ ก.ย. ๒๕๖๐  
  
๒๖ ก.ย. ๒๕๖๐



ที่ กษ๐๓๑๑.๑๑/๓๐๖

โครงการส่งน้ำและบำรุงรักษาลำพระเพลิง  
ตำบลตะขบ อำเภอบึงขัง จังหวัดนครราชสีมา  
๓๐๑๕๐

๓ พฤศจิกายน ๒๕๖๐

เรื่อง ขอความเห็นชอบในการกำหนดวิธีการจัดการกับต้นไม้ในแนวเขตการวางท่อน้ำทิ้ง ท่อน้ำดิบและต้นท่อน้ำทิ้งในบริเวณพื้นที่เขตชลประทาน

เรียน ผู้จัดการโครงการก่อสร้างโรงไฟฟ้าหนองระเวียง ๑-๒

อ้างถึง หนังสือที่ GNRV ๑ O ๐๙๑๗/๐๘๒-๐๐๑ ลงวันที่ ๒๖ กันยายน ๒๕๖๐

ตามหนังสือที่อ้างถึง โครงการส่งน้ำและบำรุงรักษาลำพระเพลิง อำเภอบึงขัง จังหวัดนครราชสีมา พิจารณาแล้ว อนุญาตให้รื้อย้ายต้นไม้ที่อยู่ในแนวการวางท่อน้ำทิ้ง ท่อน้ำดิบและต้นท่อน้ำทิ้งในบริเวณพื้นที่เขตชลประทาน ออกได้ตามความจำเป็น โดยที่ไม่ทำให้คลองชลประทานและอาคารประกอบได้รับความเสียหาย

จึงเรียนมาเพื่อโปรดทราบ

ขอแสดงความนับถือ



(นายฤกษ์ วิไลกิจ)

ผู้อำนวยการโครงการส่งน้ำและบำรุงรักษาลำพระเพลิง

ฝ่ายจัดสรรน้ำและปรับปรุงระบบชลประทาน

โทร. ๐ ๔๔๗๕ ๖๓๗๔

โทรสาร ๐ ๔๔๒๕ ๙๗๘๐

18 ตุลาคม 2560

เรื่อง ขอความเห็นชอบในการกำหนดวิธีการจัดการกับต้นไม้ในแนวเขตการวางท่อน้ำทิ้ง ท่อน้ำดิบและต้นท่อลอดในบริเวณพื้นที่เขตถนนสาธารณะประโยชน์

เรียน นายกองค์การบริหารส่วนตำบลหนองระเวียง

สิ่งที่ส่งมาด้วย: 1.รายงานการสำรวจต้นไม้ในแนวเขตการวางท่อน้ำทิ้ง ท่อน้ำดิบและต้นท่อลอดในบริเวณพื้นที่เขตถนนสาธารณะประโยชน์  
2.สำเนาหนังสืออนุญาตให้วางท่อน้ำทิ้งและต้นท่อลอดในเขตถนนสาธารณะประโยชน์ ที่ นม ๔๕๐๐๓/๗๔๙ ลงวันที่ ๑๔ กรกฎาคม ๒๕๖๐  
3.สำเนาหนังสืออนุญาตให้วางท่อน้ำดิบและต้นท่อลอดในเขตถนนสาธารณะประโยชน์ ที่ นม ๔๕๐๐๓/๗๕๐ ลงวันที่ ๑๔ กรกฎาคม ๒๕๖๐  
4.สำเนาหนังสืออนุญาตให้ก่อสร้างท่อน้ำทิ้งในเขตถนนสาธารณะประโยชน์ ที่ นม ๔๕๐๐๓/๑๑๐๙ ลงวันที่ ๑๐ ตุลาคม ๒๕๖๐  
5.สำเนาหนังสืออนุญาตให้ก่อสร้างท่อน้ำดิบในเขตถนนสาธารณะประโยชน์ ที่ นม ๔๕๐๐๓/๑๑๑๐ ลงวันที่ ๑๐ ตุลาคม ๒๕๖๐

ตามที่มาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม ระยะก่อนก่อสร้างและระยะก่อสร้างของบริษัท กัลฟ์ เอ็นอรรี 1 จำกัด ผู้ดำเนินโครงการโรงไฟฟ้าหนองระเวียง 1 และบริษัท กัลฟ์ เอ็นอรรี 2 จำกัด ผู้ดำเนินโครงการโรงไฟฟ้าหนองระเวียง 2 ("โครงการฯ") ซึ่งตั้งอยู่ที่เขตอุตสาหกรรมสุรนารี อำเภอเมืองนครราชสีมา จังหวัดนครราชสีมา ระบุไว้ในกรณีศึกษาแนวเขตการวางท่อน้ำทิ้งที่มีต้นไม้อยู่ในพื้นที่ ทางโครงการฯ ต้องมีการปฏิบัติตามวิธีการที่กำหนดของหน่วยงานอนุญาตนั้น ๆ ในการจัดการกับต้นไม้ดังกล่าว ซึ่งทางโครงการฯ ได้ดำเนินการสำรวจต้นไม้ในแนวเขตการวางท่อน้ำทิ้ง ท่อน้ำดิบและต้นท่อลอดในบริเวณพื้นที่เขตถนนสาธารณะประโยชน์ ก่อนเริ่มดำเนินการวางท่อซึ่งพบต้นไม้ที่ตั้งอยู่ในแนวเขตการวางท่อน้ำทิ้งตามรายงานการสำรวจต้นไม้ จำนวน 33 ต้น รายละเอียดตามสิ่งที่ส่งมานั้น

ทางโครงการฯ จึงมีความประสงค์ขออนุญาตและขอความเห็นชอบในการกำหนดวิธีการจัดการกับต้นไม้ในแนวเขตการวางท่อน้ำทิ้ง ท่อน้ำดิบและต้นท่อลอดในบริเวณพื้นที่เขตถนนสาธารณะประโยชน์

จึงเรียนมาเพื่อโปรดพิจารณาอนุญาตและให้ความเห็นชอบในการกำหนดวิธีการ ทั้งนี้ทางโครงการฯ จะดำเนินการตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อมอย่างเคร่งครัด

ขอแสดงความนับถือ

(นายกิตติพล จิตราบุญกิจ)

ผู้จัดการโครงการก่อสร้างโรงไฟฟ้าหนองระเวียง 1-2



ที่ นม ๔๕๐๐๓/๐๐๖๖

องค์การบริหารส่วนตำบลหนองระเวียง

อำเภอเมืองนครราชสีมา นม ๓๐๐๐๐

๘ มกราคม ๒๕๖๑

เรื่อง แจ้งอนุญาตดำเนินการจัดการกับต้นไม้ในแนวเขตการวางท่อน้ำทิ้ง ท่อน้ำดิบและต้นท่อลอดในบริเวณพื้นที่เขตถนนสาธารณะประโยชน์

เรียน บริษัท กัลฟ์ เอ็นอรรี จำกัด

อ้างถึง หนังสือที่ GNRV๑ O ๐๙๑๗/๐๘๒-๐๐๒ ลงวันที่ ๑๘ ตุลาคม ๒๕๖๐

สิ่งที่ส่งมาด้วย สำเนาหนังสือบริษัท ไคชิน อาร์ท โลจิสติกส์ จำกัด ลงวันที่ ๒๑ ธันวาคม ๒๕๖๐

ตามหนังสือที่อ้างถึงบริษัท กัลฟ์ เอ็นอรรี ๑ จำกัด และบริษัท กัลฟ์ เอ็นอรรี ๒ จำกัด เรื่องขอความเห็นชอบในการกำหนดวิธีการจัดการกับต้นไม้ในแนวเขตการวางท่อน้ำทิ้ง ท่อน้ำดิบและต้นท่อลอดในบริเวณพื้นที่เขตถนนสาธารณะประโยชน์ จำนวน ๓๓ ต้น ตามที่แจ้งแล้วนั้น

องค์การบริหารส่วนตำบลหนองระเวียง ได้ดำเนินการตรวจสอบต้นไม้ในแนวเขตการวางท่อน้ำทิ้ง ท่อน้ำดิบและต้นท่อลอดในบริเวณพื้นที่เขตถนนสาธารณะประโยชน์ ต้นไม้อื่น ๆ ที่อยู่ในเขตทางสาธารณะ องค์การบริหารส่วนตำบลหนองระเวียงอนุญาตให้ดำเนินการขุดออกได้ส่วนต้นกล้วยดี จำนวน ๑๕ ต้น เป็นต้นไม้ของบริษัทไคชิน อาร์ท โลจิสติกส์ จำกัด องค์การบริหารส่วนตำบลหนองระเวียงได้ประสานงานกับบริษัทไคชิน อาร์ท โลจิสติกส์ จำกัด และบริษัทไคชิน อาร์ท โลจิสติกส์ จำกัด ได้แจ้งกลับตามหนังสือที่ส่งมาพร้อมนี้ จึงขอแจ้งให้บริษัท กัลฟ์ เอ็นอรรี ๑ จำกัด และบริษัท กัลฟ์ เอ็นอรรี ๒ จำกัด ทราบและดำเนินการในส่วนที่เกี่ยวข้องต่อไป

จึงเรียนมาเพื่อโปรดทราบ

ขอแสดงความนับถือ

(นายอนุชา ศรีโกสานนท์)

(นายอนุชา ศรีโกสานนท์)  
นายกองค์การบริหารส่วนตำบลหนองระเวียง

กองช่าง

โทร. ๐-๔๔๔๖-๐๒๓๓-๒ ต่อ ๓

โทรสาร. ๐-๔๔๔๖-๐๒๓๓

www.pongravong.go.th

มีผล

อภิศิตา พัทธ

18 ต.ค. ๖๐





**Tel. 02-529-0027, 02-529-0633    Fax. 02-529-0738**

21 ธันวาคม 2560

เรื่อง ตอบรับการจัดการกับต้นไม้ในบริเวณพื้นที่เขตอนุสรณ์สาธารณะประโยชน์

เรียน องค์การบริหารส่วนตำบลหนองระเวียง

อ้างอิง หนังสือที่ นม ๙๕๐๐๓/๑๒๘๗, GNRV๑ 0 ๐๕๑๓/๐๙๒-๐๐๒ ลงวันที่ ๒๗ พฤศจิกายน ๒๕๖๑  
จำนวน 1 ชุด

ตามที่ องค์การบริหารส่วนตำบลหนองระเวียง ขอความร่วมมือให้จัดการกับต้นลีลาวดี  
ที่อยู่ด้านหน้าบริษัทฯ จำนวน ๑๕ ต้น  
ทางบริษัทฯ ได้ประชุมร่วม คือ

- 1.บริษัท กัลป์ เอ็นอาร์วี ๑ โดยคุณเกิดพิพล จิตราบุญกิจ
- 2.บริษัท กัลป์ เอ็นอาร์วี ๒ โดยคุณประสิทธิ์ หงษ์นิล
- 3.นิติกร องค์การบริหารส่วนตำบลหนองระเวียง โดยคุณเด่นห์ ประทุมรัตน์

สรุปให้ดำเนินการขับเคลื่อนทีละวดี ตามที่องค์การบริหารส่วนตำบลหนองระเวียง ขอความร่วมมือ

โดยบริษัท กัลฟ์ เอ็นเนอร์จี ๑ และ บริษัท กัลฟ์ เอ็นเนอร์จี ๒ จะเป็นผู้ดำเนินการย้าย,ปลูกใหม่ให้

ดั้งเดิมและรับผิดชอบค่าใช้จ่ายในการดำเนินการทั้งหมด

นางก อช๓ จิงเรียนนาทอปรคทราน

เมื่อไปรด

☒ 151U☒ · พิจารณา

၇ ချီ

ໂຕຈຸນ ຫົກ ໂຈ້ນຈຸນ ຫົກ

ฉบับที่ กษจิตกษกับตมในใน

กำหนดเกณฑ์การประเมินผล

(ឯ.ជ.ក) កម្ពុជា ជាតិឯក

ผู้ประสานงาน นายอาทิตย์ ศิริพร ณ ราชนา

โทรศัพท์ 044-218043

โทรสาร 044-218097

นางสาววิมลวรรณ หักฉัตร  
ผู้อำนวยการกองส่งเสริม

☐ ดำเนินการปกติ นอก.

☐ ครบแล้ว


☒ ครบแล้ว

☐ กองสาธารณสุข

☐ กองการศึกษา

☐ งานบริหารทั่วไป

☐ หน่วยธุรการตอบภายใน

ขอแสดงความนับถือ  
  
 (นางสาวณัฐภรณ์ ขุมจันทร์)  
 ผู้จัดการบริษัท

(นางสุรัสวดี โท้วประสิทธิ์)  
'ปัด' อบท.หนองระเวียง

1. 7500

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## ภาคผนวก ข-7

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ผลการตรวจวัดคุณภาพอากาศจากปล่องระบายแบบต่อเนื่อง (CEMs)

[illegible][illegible]



08-01-22 20:00	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance
08-01-22 21:00	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance
08-01-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-01-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-01-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-01-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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09-01-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-01-22 18:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
09-01-22 19:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
09-01-22 20:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
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10-01-22 9:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
10-01-22 10:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
10-01-22 11:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
10-01-22 12:00	14.83	307603.5	26.47		2.08		6.54	
10-01-22 13:00	14.71	330554.1	33.1	2.07	0.34		6.23	
10-01-22 14:00	14.7	338901.6	37.52		1.96		6.5	
10-01-22 15:00	14.68	342450.7	40.74		1.87		6.53	
10-01-22 16:00	14.74	339704.3	38.06		1.79		6.5	
10-01-22 17:00	14.78	338420.6	37.07		1.74		6.5	
10-01-22 18:00	14.87	335614.8	34.53		1.88		6.731	
10-01-22 19:00	14.88	332092.1	41.05		1.5		6.76	
10-01-22 20:00	14.91	329345.8	40.68		1.32		6.82	
10-01-22 21:00	14.95	329727.5	34.75		1.31		6.88	
10-01-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-01-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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11-01-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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11-01-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-01-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-01-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-01-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-01-22 14:00	14.61	351040.4	29.24		1.31		6.55	
11-01-22 15:00	14.67	346307.8	33.56		1.45		6.55	
11-01-22 16:00	14.7	342850.1	34.93		1.55		6.95	
11-01-22 17:00	14.71	344289.7	37.62		1.57		7.15	
11-01-22 18:00	14.79	341817.3	33.61		1.62		8.18	
11-01-22 19:00	14.83	338030.2	38.12		1.53		7.32	
11-01-22 20:00	14.88	338740.3	36.79		1.44		7.46	
11-01-22 21:00	14.88	336800.8	40.99		1.34		7.23	
11-01-22 22:00	15.01	310923.3	29.3		1.33		8.33	
11-01-22 23:00	15.01	308283.3	27.04		1.31		8.39	
12-01-22 0:00	15.04	306579.4	26.05		1.28		7.62	
12-01-22 1:00	15.02	308610.5	26.89		1.25		7.64	
12-01-22 2:00	15.02	309124.7	27.63		1.24		7.62	
12-01-22 3:00	15.08	299389.7	20.03		1.23		8.02	
12-01-22 4:00	15.06	297430.5	21.77		0.99		7.62	
12-01-22 5:00	15.09	297670.8	22.07		1.16		7.76	
12-01-22 6:00	15.07	300985.6	25.18		1.14		7.57	
12-01-22 7:00	15.14	299531.1	22.42		1.05		7.55	
12-01-22 8:00	15.01	311129.1	30.46		0.95		7.23	
12-01-22 9:00	15.08	318415.2	33.6		0.98		7.08	
12-01-22 10:00	15.07	324387.6	35.34		0.86		7.09	
12-01-22 11:00	15.05	320413.1	34.9		0.84		7.04	
12-01-22 12:00	15.01	310466.8	29.44		0.82		6.98	
12-01-22 13:00	15.06	323851.8	29.3		0.9		7.05	
12-01-22 14:00	14.75	345719	34.15		1.16		7.45	
12-01-22 15:00	14.77	343619.8	37.43		1.28		7.53	
12-01-22 16:00	14.79	344602.2	30.78		1.38		7.92	
12-01-22 17:00	14.86	343864.2	33.36		1.32		8.48	
12-01-22 18:00	14.92	341977.3	33.3		1.38		10.48	
12-01-22 19:00	14.91	345888.1	30.63		1.24		9.72	
12-01-22 20:00	14.94	348971.3	30.08		1.07		9.7	
12-01-22 21:00	14.94	351168.9	27.36		1.11		11.38	

12-01-22 22:00	15.06	310804.9	28.9		1.16		0.59		15.48
12-01-22 23:00	15.05	304085.7	33.2		1.05		0.5		7.67
13-01-22 0:00	15.06	302816.6	33.11		1.13		0.36		7.59
13-01-22 1:00	15.04	304136.1	35.4		1.05		0.41		7.77
13-01-22 2:00	15.06	301769.5	30.34		1.1		0.55		8.75
13-01-22 3:00	15.07	298278.4	29.58		1.08		0.38		8.67
13-01-22 4:00	15.04	297232	30.59		1.13		0.56		9.91
13-01-22 5:00	15.05	296155.8	30.1		1.09		0.59		8.2
13-01-22 6:00	15.06	295908.3	29.19		1.08		0.91		8.18
13-01-22 7:00	15.08	296899.7	26.64		1.05		0.59		8.35
13-01-22 8:00	15.03	314518.3	35.58		1.1		0.36		7.79
13-01-22 9:00	15	319633.9	40.19		1.05		0.35		7.25
13-01-22 10:00	15.01	321062.5	37.06		1.08		0.35		7.37
13-01-22 11:00	14.96	317408.1	40		1.07		0.35		7.13
13-01-22 12:00	14.94	303833.5	34.74		1.25		0.35		7.11
13-01-22 13:00	14.84	334202.3	38.19		1.16		0.34		6.88
13-01-22 14:00	14.73	347968.9	37.84		1.17		0.34		7.83
13-01-22 15:00	14.76	340486.6	42.26		1.28		0.34		7
13-01-22 16:00	14.76	342965.6	42.68		1.34		0.34		6.97
13-01-22 17:00	14.78	343023.8	39.88		1.33		0.34		6.99
13-01-22 18:00	14.86	345825.8	33.15		1.36		0.35		7.61
13-01-22 19:00	14.92	346800.8	32.8		1.25		0.35		9.01
13-01-22 20:00	14.95	345552.9	32.36		1.17		0.35		11.17
13-01-22 21:00	14.97	347102.8	30.55		1.13		0.35		12.37
13-01-22 22:00	15.06	309490	31.86		1.11		0.64		12.25
13-01-22 23:00	15.05	305527	35.99		1.06		0.36		7.24
14-01-22 0:00	15.08	302540.3	33.16		1.02		0.36		7.47
14-01-22 1:00	15.06	305818.3	36.8		1.04		0.36		7.54
14-01-22 2:00	15.06	305694.8	36.02		1.03		0.46		7.12
14-01-22 3:00	15.09	299132.7	29.68		1.06		0.99		7.5
14-01-22 4:00	15.09	300245.4	31.02		1.05		0.66		7.37
14-01-22 5:00	15.09	300527.1	30.56		1.07		0.51		7.22
14-01-22 6:00	15.09	300903.4	31.61		1.07		0.51		7.28
14-01-22 7:00	15.13	297814	28.79		1.06		0.98		7.58
14-01-22 8:00	15.1	311132.2	33.5		1.11		0.36		7.24
14-01-22 9:00	15.08	317946.5	33.73		1.11		0.36		7.4
14-01-22 10:00	15.06	319353.7	33.24		1.12		0.36		7.32
14-01-22 11:00	15.02	317789.9	34.93		1.14		0.35		7.33
14-01-22 12:00	14.99	311038	28.41		1.08		0.35		7.5
14-01-22 13:00	14.9	331620.1	30.74		1.32		0.35		8.6
14-01-22 14:00	14.8	342841	34.49		1.13		0.34		6.63
14-01-22 15:00	14.81	340672.9	34.6		1.28		0.34		6.86
14-01-22 16:00	14.79	342712.4	33.22		1.26		0.34		7.18
14-01-22 17:00	14.8	34301.5	35.78		1.33		0.34		6.61
14-01-22 18:00	14.88	339001.9	35.39		1.32		0.35		7.9
14-01-22 19:00	14.9	336732.4	37.28		1.16		0.35		6.85
14-01-22 20:00	14.88	338165.1	39.46		1.09		0.35		6.73
14-01-22 21:00	14.89	337762.2	39.82		1.15		0.35		7.12
14-01-22 22:00	15.02	311329.8	31.11		1.15		0.57		10.59
14-01-22 23:00	15.01	304286	31.01		1.11		0.38		7.54
15-01-22 0:00	15.02	300226	31.23		1.11		0.35		7.81
15-01-22 1:00	15.01	302830.6	31.44		1.11		0.35		8.05
15-01-22 2:00	15.01	303268.9	31.21		1.18		0.37		8.08
15-01-22 3:00	15.01	297440.3	27.99		1.18		0.5		8.91
15-01-22 4:00	14.99	296902.3	29.5		1.2		0.76		7.96
15-01-22 5:00	15.03	291990.3	24.81		1.24		1.73		8.44
15-01-22 6:00	15.02	292740.1	25.75		1.24		1.96		8.1
15-01-22 7:00	15.04	293173.3	26.13		1.23		2.53		8.66
15-01-22 8:00	15.01	310308	32.87		1.27		0.35		8.11
15-01-22 9:00	14.98	31908.3	34.37		1.19		0.35		8.06
15-01-22 10:00	14.99	317117.7	34.21		1.3		0.35		7.95
15-01-22 11:00	14.92	319851.6	38.76		1.17		0.35		7.03
15-01-22 12:00	14.9	311770.6	29.33		1.35		0.35		7.71
15-01-22 13:00	14.79	331747.1	35.04		1.37		0.35		7.38
15-01-22 14:00	14.65	345494.3	44.07		1.35		0.33		6.99
15-01-22 15:00	14.62	342243.7	43.51		1.5		0.33		6.8
15-01-22 16:00	14.62	340760.9	44.85		1.63		0.33		6.87
15-01-22 17:00	14.66	340945.7	41.39		1.66		0.33		7.04
15-01-22 18:00	14.72	342483.3	39.03		1.69		0.33		7.41
15-01-22 19:00	14.79	342671.7	37.04		1.58		0.34		9.03
15-01-22 20:00	14.82	335420.8	39.57		1.47		0.34		10.07
15-01-22 21:00	14.8	338966.8	41.76		1.37		0.47		7.67
15-01-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
15-01-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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16-01-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 18:00	15	315212.4	34.79		1.59		0.32		20.33
16-01-22 19:00	14.88	314041.6	39.27		1.11		0.35		6.29
16-01-22 20:00	14.93	313881.8	33.19		1.11		0.37		11.04
16-01-22 21:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-01-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown

17-01-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-01-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-01-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-01-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-01-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-01-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-01-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-01-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-01-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-01-22 9:00	14.92	310,761.80	32.55	0.69	0.35	6.36		
17-01-22 10:00	14.90	309,525.10	33.43	0.71	0.35	6.02		
17-01-22 11:00	14.86	311,373.40	35.95	0.66	0.34	5.84		
17-01-22 12:00	14.83	307,078.30	30.72	0.56	0.41	5.76		
17-01-22 13:00	14.74	332,169.90	31.90	0.73	0.34	6.60		
17-01-22 14:00	14.66	342,762.70	42.32	0.75	0.33	5.63		
17-01-22 15:00	14.65	341,910.80	40.57	0.80	0.33	5.64		
17-01-22 16:00	14.66	340,318.80	40.02	0.84	0.33	5.67		
17-01-22 17:00	14.71	341393.7	39.07	0.91	0.34	5.69		
17-01-22 18:00	14.76	341145.5	34.44	0.8	0.34	7.21		
17-01-22 19:00	14.83	341523	32.95	0.77	0.34	9.26		
17-01-22 20:00	14.81	337705.9	38.35	0.68	0.34	6.07		
17-01-22 21:00	14.82	337452.6	40.01	0.63	0.34	5.94		
17-01-22 22:00	14.94	305131.6	33.59	0.6	0.42	5.97		
17-01-22 23:00	14.92	303469.2	35.31	0.61	0.36	5.93		
18-01-22 0:00	14.93	302295.7	34.92	0.65	0.5	6.07		
18-01-22 1:00	14.96	302452.2	32.19	0.66	0.34	6.34		
18-01-22 2:00	14.96	303928.4	34.26	0.62	0.37	6.57		
18-01-22 3:00	14.98	296565.5	33.8	0.78	0.38	6.17		
18-01-22 4:00	14.94	299858	35.6	0.66	0.41	6.46		
18-01-22 5:00	14.97	296632.5	30.81	0.73	0.78	6.49		
18-01-22 6:00	15	295574.8	28.86	0.72	1.36	6.95		
18-01-22 7:00	15	296010.5	29.02	0.75	1.36	6.95		
18-01-22 8:00	14.93	310024.4	38.12	0.66	0.35	6.16		
18-01-22 9:00	14.94	316551.2	40.83	1.29	0.35	7.81		
18-01-22 10:00	14.92	317920	42.16	1.84	0.35	8.62		
18-01-22 11:00	14.9	318573.3	43.12	1.9	0.34	8.67		
18-01-22 12:00	14.88	310764.1	35.34	1.92	0.35	8.84		
18-01-22 13:00	14.72	332726.4	33.1	2.12	0.34	9.43		
18-01-22 14:00	14.64	344467.4	41.59	2.18	0.33	8.1		
18-01-22 15:00	14.64	343734.6	41.76	2.03	0.33	8.08		
18-01-22 16:00	14.66	341823.5	41.78	2.17	0.33	8.12		
18-01-22 17:00	14.66	342296.5	36.87	2.36	0.33	9.13		
18-01-22 18:00	14.75	344352.3	37.32	2.27	0.34	10.58		
18-01-22 19:00	14.86	342234.8	37.31	2.42	0.35	10.57		
18-01-22 20:00	14.87	333660.4	44.58	1.79	0.35	9.39		
18-01-22 21:00	14.88	333762.4	43.85	1.77	0.35	9.39		
18-01-22 22:00	14.97	309725.9	38.53	1.83	0.55	10.91		
18-01-22 23:00	14.99	305047.6	36.92	1.79	0.42	10.22		
19-01-22 0:00	15.02	301,719.20	34.71	1.81	0.38	9.98		
19-01-22 1:00	15.04	299,523.10	34.24	1.85	0.49	9.91		
19-01-22 2:00	15.01	302,513.20	37.08	1.89	0.49	9.73		
19-01-22 3:00	15.04	298,045.20	33.24	1.90	0.57	8.77		
19-01-22 4:00	15.09	294,126.00	32.32	1.80	1.30	10.19		
19-01-22 5:00	15.09	293,966.00	32.62	1.84	2.07	9.80		
19-01-22 6:00	15.09	290,465.10	36.61	1.86	0.98	9.88		
19-01-22 7:00	15.13	294,718.10	30.95	1.91	2.32	10.23		
19-01-22 8:00	15.09	308,510.80	38.11	1.86	0.36	9.57		
19-01-22 9:00	15.08	315,212.30	37.29	1.93	0.39	9.53		
19-01-22 10:00	15.05	314,528.30	36.75	1.90	0.36	9.45		
19-01-22 11:00	15.04	313,375.60	35.35	1.94	0.36	9.66		
19-01-22 12:00	15.01	306329.9	31.4	1.84	0.41	9.58		
19-01-22 13:00	14.87	333101.9	31.54	1.91	0.37	12.12		
19-01-22 14:00	14.68	340151.6	31.94	1.92	0.34	9.2		
19-01-22 15:00	15.29	349868.4	29.68	4.83	0.99	7.41		
19-01-22 16:00	17.84	337252.8	11.47	3.39	3.3	1.89		
19-01-22 17:00	14.17	342236.7	30.13	0.26	0.32	5.34		
19-01-22 18:00	14.54	348293.9	29.92	0.33	0.33	5.44		
19-01-22 19:00	14.6	343171.9	32.79	0	0.33	6.31		
19-01-22 20:00	14.6	337842.7	36.78	0	0.33	4.16		
19-01-22 21:00	14.61	338974.9	36.12	0	0.33	4.15		
19-01-22 22:00	14.76	309498.2	25.71	0	0.54	7.27		
19-01-22 23:00	14.76	305182.9	25.7	0	0.36	4.17		
20-01-22 0:00	14.76	303606.1	26.86	0	0.37	4.06		
20-01-22 1:00	14.75	302659.8	29.53	0	0.4	3.95		
20-01-22 2:00	14.75	303708.5	28.15	0	0.36	3.86		
20-01-22 3:00	14.76	297042.8	26.35	0	0.38	3.85		
20-01-22 4:00	14.76	293211.5	28.03	0	0.68	3.68		
20-01-22 5:00	14.76	290950.3	28.39	0	1.58	3.61		
20-01-22 6:00	14.77	295691.1	29.42	0	1.2	3.62		
20-01-22 7:00	14.81	295236.3	27.96	0	0.77	3.74		
20-01-22 8:00	14.78	311708.5	30.88	0	0.34	3.73		
20-01-22 9:00	14.78	320376.3	30.62	0	0.34	4.03		
20-01-22 10:00	14.75	317102.9	31.23	0	0.37	3.7		
20-01-22 11:00	14.71	315408.6	31.05	0	0.34	3.64		
20-01-22 12:00	14.68	307028.1	25.92	0	0.34	3.66		
20-01-22 13:00	14.65	329853	27.9	0	0.33	4.4		
20-01-22 14:00	14.44	345354.6	31.31	0.17	0.32	3.56		
20-01-22 15:00	14.45	343096	33.59	1.03	0.32	3.44		
20-01-22 16:00	14.38	342339.8	35.95	1.18	0.32	3.51		
20-01-22 17:00	14.4	340700.6	29.02	1.56	0.32	3.42		
20-01-22 18:00	14.39	346037	27.06	1.33	0.32	4.01		
20-01-22 19:00	14.43	341385.1	30.54	0.82	0.32	5.21		
20-01-22 20:00	14.43	335501.7	34.93	0.65	0.32	3.17		
20-01-22 21:00	14.11	335745.6	34.85	0.32	0.32	3.16		
20-01-22 22:00	14.55	305775	26.9	0.32	0.59	4.17		
20-01-22 23:00	14.56	303222.1	26.68	0.24	0.41	3.19		
21-01-22 0:00	14.56	299864.6	25.26	0.12	0.6	3.14		
21-01-22 1:00	14.56	300593.4	24.9	0.15	0.71	3.21		

21-01-22 2:00	14.54	301739	24.48	0.06	0.4	3.14		
21-01-22 3:00	14.56	293257	18.84	0.08	0.98	3.32		
21-01-22 4:00	14.56	290769.2	20.98	0.11	1.22	3.13		
21-01-22 5:00	14.55	291231.3	21.09	0.08	0.94	3.02		
21-01-22 6:00	14.57	292911.9	20.79	0.08	0.93	2.97		
21-01-22 7:00	14.58	293054.8	21.01	0.06	1.18	2.93		
21-01-22 8:00	14.54	306677.7	26.26	0.04	0.33	2.85		
21-01-22 9:00	14.55	311964.6	25.18	0.05	0.33	2.94		
21-01-22 10:00	14.53	314791.4	29.28	0.07	0.33	2.78		
21-01-22 11:00	14.52	314042.4	28.3	0.04	0.33	2.76		
21-01-22 12:00	14.56	304658.9	21.78	0.04	0.35	3.02		
21-01-22 13:00	14.46	328264.5	24.8	0.04	0.38	3.64		
21-01-22 14:00	14.33	350247.7	23.69	0	0.32	3.5		
21-01-22 15:00	14.35	345619.4	25.82	0	0.32	3.45		
21-01-22 16:00	14.37	343693.8	24.76	0	0.32	3.65		
21-01-22 17:00	14.38	342304.8	27.59	0	0.32	3.62		
21-01-22 18:00	14.42	343075.2	24.68	0	0.32	5.1		
21-01-22 19:00	14.41	347407.2	24.55	0	0.32	4.63		
21-01-22 20:00	14.43	348610.8	24.23	0	0.32	5.05		
21-01-22 21:00	14.42	351543.9	22.57	0	0.32	3.26		
21-01-22 22:00	14.58	310033.5	20.77	0.01	0.82	8.6		
21-01-22 23:00	14.6	298374.4	21.27	0	0.59	3.12		
22-01-22 0:00	14.57	298252.4	24.08	0	0.37	2.91		
22-01-22 1:00	14.55	299236.6	27.28	0	0.4	2.82		
22-01-22 2:00	14.58	297083.8	23.3	0	0.35	2.91		
22-01-22 3:00	14.6	295731.2	26.71	1.45	0.63	3.41		
22-01-22 4:00	14.63	291388.8	22.26	1.76	1.67	3.68		
22-01-22 5:00	14.67	296398.1	18.29	1.38	1.67	4.26		
22-01-22 6:00	14.68	285130	17.72	2.17	5.06	4.45		
22-01-22 7:00	14.73	282441.2	15.41	2.28	6.27	5.7		
22-01-22 8:00	14.66	292344	23.4	2.14	1.53	3.63		
22-01-22 9:00	14.65	295670	25.81	2.08	1.65	3.46		
22-01-22 10:00	14.63	292937.5	24.8	2.05	0.83	3.34		
22-01-22 11:00	14.63	290645.5	21.6	1.93	1.8	3.41		
22-01-22 12:00	14.62	287592.2	19.84	1.94	2.05	3.47		
22-01-22 13:00	14.47	317279.5	19.47	1.77	0.32	2.91		
22-01-22 14:00	14.38	340440.1	31.32	1.72	0.32	2.82		
22-01-22 15:00	14.38	340918.7	31.77	1.35	0.32	4.55		
22-01-22 16:00	14.42	339844.1	27.9	1.64	0.32	4.45		
22-01-22 17:00	14.41	337527	30.69	1.44	0.32	2.44		
22-01-22 18:00	14.43	329200.6	32.24	0.5	0.32	2.34		
22-01-22 19:00	14.45	326371.7	31.63	0.14	0.32	2.31		
22-01-22 20:00	14.46	329474.2	31.95	0.14	0.32	2.31		
22-01-22 21:00	14.46	338665.2	28.22	0.05	0.32	5.45		
22-01-22 22:00	14.18	386869.1	6.77	0.03	0.31	10.47		
22-01-22 23:00	14.17	389661.7	5.79	0.02	0.31	10.51		
23-01-22 0:00	14.17	389714.8	4.81	0	0.31	10.51		
23-01-22 1:00	14.17	389741.3	5.68	0	0.31	11.23		
23-01-22 2:00	14.16	389465.6	4.4	0	0.31	11.97		
23-01-22 3:00	14.16	389888.6	2.41	0.01	0.31	12.25		
23-01-22 4:00	14.19	389672.1	4.52	1.14	0.31	12.9		
23-01-22 5:00	14.2	389674.2	4.13	1.59	0.31	13.74		
23-01-22 6:00	14.22	395237.1	8.12	1.87	0.31	13.57		
23-01-22 7:00	14.23	389330	6.5	1.9	0.31	13.05		
23-01-22 8:00	14.25	388825	6.29	1.86	0.31	10.84		
23-01-22 9:00	14.26	384044.7	6.19	1.8	0.31	9.38		
23-01-22 10:00	14.27	376355.2	9.88	1.74	0.31	14.85		
23-01-22 11:00	14.23	378289.9	5.33	1.84	0.31	8.03		
23-01-22 12:00	14.22	374170.8	4.51	1.62	0.31	7.27		
23-01-22 13:00	14.21	371776.5	7.58	1.64	0.31	6.78		
23-01-22 14:00	14.21	374558.2	5.2	1.67	0.31	6.84		
23-01-22 15:00	14.24	373079.9	7.17	1.54	0.31	6.11		
23-01-22 16:00	14.24	370765	11.6	1.63	0.31	5.25		
23-01-22 17:00	14.25	366441.2	14.89	1.67	0.31	4.71		
23-01-22 18:00	14.27	335390.4	35.8	1.47	0.31	2.01		
23-01-22 19:00	14.54	322727.2	35.34	1.71	0.33	2.67		
23-01-22 20:00	14.59	319633.4	30.24	1.67	0.67	6.15		
23-01-22 21:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-01-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-01-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-01-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-01-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-01-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-01-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-01-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-01-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-01-22 8:00	15.01	295549.2	27.15	4.02	2.26	47.8		
24-01-22 9:00	14.63	313206.8	28.48	2.33	0.33	3.98		
24-01-22 10:00	14.6	315046.7	29.51	2.24	0.33	3.84		
24-01-22 11:00	14.59	314888.8	29.74	1.66	0.33	3.69		
24-01-22 12:00	14.61	310039.9	25.45	0.99	0.33	3.69		
24-01-22 13:00	14.52	313115	28.41	0.43	0.33	4.25		
24-01-22 14:00	14.37	352156	28.62	0.14	0.32	3.28		
24-01-22 15:00	14.37	347402.2	26.87	0	0.32	3.25		
24-01-22 16:00	14.38	344692.2	29.38	0	0.32	2.72		
24-01-22 17:00	14.42	342319.9	29.58	0	0.32	2.97		
24-01-22 18:00	14.48	341567.7	29.69	0	0.32	3.08		
24-01-22 19:00	14.51	343062.4	28.09	0	0.33	3.76		
24-01-22 20:00	14.53	342856.7	25.89	0	0.33	4.9		
24-01-22 21:00	14.52	346781.3	25.07	0	0.33	4.6		
24-01-22 22:00	14.65	304992.4	22.72	0	0.33	4.85		
24-01-22 23:00	14.66	299968.5	23.99	0	0.38	3.55		
25-01-22 0:00	14.68	298711.3	19.71	0	0.54	5.22		
25-01-22 1:00	14.86	304443.7	21.7	0	0.38	5.14		
25-01-22 2:00	14.67	300354.8	19.93	0	0.33	3.83		
25-01-22 3:00	14.67	297266	19.45	0	0.37	3.69		

25-01-22 4:00	14.68	295133.4	19.5	0	1.07	3.57	
25-01-22 5:00	14.68	295592.3	18.98	0	0.62	3.63	
25-01-22 6:00	14.69	297239	21.42	0	0.57	3.71	
25-01-22 7:00	14.72	294922.9	17.76	0	1.41	4.86	
25-01-22 8:00	14.7	310863.2	22.54	0	0.34	3.84	
25-01-22 9:00	14.64	314210.9	20.62	0	0.33	3.04	
25-01-22 10:00	14.63	314722.2	17.7	0	0.33	2.31	
25-01-22 11:00	14.65	316826.8	19.81	0	0.33	3.21	
25-01-22 12:00	14.64	308663.2	12.91	0	0.41	2.55	
25-01-22 13:00	14.48	330920.4	19.43	0	0.33	2.36	
25-01-22 14:00	14.39	341802.9	25.75	0	0.32	1.9	
25-01-22 15:00	14.43	339781.3	27.81	0	0.32	1.92	
25-01-22 16:00	14.43	340796.1	24.12	0	0.32	2.46	
25-01-22 17:00	14.43	340801.1	28.69	0	0.32	2.06	
25-01-22 18:00	14.49	339792.2	26.39	0	0.33	2.08	
25-01-22 19:00	14.54	340191.7	24.03	0	0.33	2.26	
25-01-22 20:00	14.58	338616.8	25.05	0	0.33	2.55	
25-01-22 21:00	14.61	339447.5	27.57	0	0.33	4.29	
25-01-22 22:00	14.73	305376.3	18.86	0	0.77	7.39	
25-01-22 23:00	14.73	301010	22.15	0	0.38	3.9	
26-01-22 0:00	14.72	301643.4	24.19	0	0.38	4.3	
26-01-22 1:00	14.71	304789	26.53	0	0.37	3.67	
26-01-22 2:00	14.73	301593.1	22.45	0	0.36	3.69	
26-01-22 3:00	14.72	300489.5	21.8	0	0.41	3.24	
26-01-22 4:00	14.73	299851.3	21.39	0	0.56	3.33	
26-01-22 5:00	14.8	292860.6	15.41	0	1.71	4.48	
26-01-22 6:00	14.74	297259	19.85	0	0.73	4.36	
26-01-22 7:00	14.71	294966.3	17.84	0	1.1	4.84	
26-01-22 8:00	14.69	312654.2	26.8	0	0.34	3.4	
26-01-22 9:00	14.71	319479	26.83	0	0.34	3.23	
26-01-22 10:00	14.69	320388.1	28.72	0	0.34	2.76	
26-01-22 11:00	14.67	318018.2	28.71	0	0.34	2.47	
26-01-22 12:00	14.67	311358.6	20.96	0	0.33	2.11	
26-01-22 13:00	14.52	338397.6	25.64	0	0.33	2.24	
26-01-22 14:00	14.37	354641.7	23.13	0	0.32	1.94	
26-01-22 15:00	14.39	352470	23.85	0	0.32	1.92	
26-01-22 16:00	14.47	343471.9	28.18	0	0.32	1.91	
26-01-22 17:00	14.47	340106.9	29.92	0	0.32	1.93	
26-01-22 18:00	14.56	340966.5	33.21	0	0.33	2.28	
26-01-22 19:00	14.56	342980.4	30.27	0	0.33	2.5	
26-01-22 20:00	14.59	342406.3	27	0	0.33	2.93	
26-01-22 21:00	14.58	341627.6	26.72	0	0.33	2.7	
26-01-22 22:00	14.74	305360.8	22.58	0	0.68	6.29	
26-01-22 23:00	14.74	303029.8	24.81	0	0.34	2.92	
27-01-22 0:00	14.74	302254	28.34	0	0.34	3.02	
27-01-22 1:00	14.71	306604.5	26.78	0	0.39	3.47	
27-01-22 2:00	14.72	310916.7	29.38	0	0.37	2.77	
27-01-22 3:00	14.76	298637.7	20.5	0	0.81	3.63	
27-01-22 4:00	14.74	297422.2	19.81	0	0.58	4.16	
27-01-22 5:00	14.76	294823.3	20.23	0	0.92	3.59	
27-01-22 6:00	14.78	298000.8	20.44	0	0.83	3.28	
27-01-22 7:00	14.8	298953.8	18.13	0	1.04	3.24	
27-01-22 8:00	14.76	307581.2	23.76	0	0.4	2.78	
27-01-22 9:00	14.76	314270.8	23.98	0	0.34	2.7	
27-01-22 10:00	14.75	316123.1	24.65	0	0.34	2.45	
27-01-22 11:00	14.71	315320.7	23.95	0	0.34	2.45	
27-01-22 12:00	14.7	307455.3	16.33	0	0.34	2.58	
27-01-22 13:00	14.55	333046.3	19.5	0	0.33	2.85	
27-01-22 14:00	14.41	345044	23.82	0	0.32	1.63	
27-01-22 15:00	14.47	342251.3	26.38	0	0.32	2.43	
27-01-22 16:00	14.48	340147.4	27.45	0	0.32	2.05	
27-01-22 17:00	14.54	338353.7	29	0	0.33	2.34	
27-01-22 18:00	14.54	340113.2	30.16	0	0.33	2.12	
27-01-22 19:00	14.57	340505.1	29.05	0	0.33	3.31	
27-01-22 20:00	14.59	340039.2	28.81	0	0.33	3	
27-01-22 21:00	14.66	337431.9	24.33	0	0.33	4.54	
27-01-22 22:00	14.73	310421.4	18.52	0	0.58	5.6	
27-01-22 23:00	14.73	305652.8	15.51	0	0.34	3.27	
28-01-22 0:00	14.73	302895.3	18.11	0	0.34	2.97	
28-01-22 1:00	14.69	303778.6	19.68	0	0.55	2.74	
28-01-22 2:00	14.7	299921.2	17.3	0	0.34	2.92	
28-01-22 3:00	14.71	296180.2	19.41	0	0.59	2.82	
28-01-22 4:00	14.74	297272.7	23.61	0.07	0.69	3.35	
28-01-22 5:00	14.76	296624.8	21.42	0.25	1.03	3.4	
28-01-22 6:00	14.77	237071	21.54	0.55	1.41	3.43	
28-01-22 7:00	14.82	293697	18.81	0.47	1.44	3.63	
28-01-22 8:00	14.78	309235.9	27.4	0.73	0.34	3.31	
28-01-22 9:00	14.74	319923.3	29.96	0.56	0.34	3.12	
28-01-22 10:00	14.73	317032.2	26.96	0.66	0.34	3.28	
28-01-22 11:00	14.7	319554.3	28.58	0.68	0.34	3.04	
28-01-22 12:00	14.69	312044	25.88	0.72	0.34	2.98	
28-01-22 13:00	14.56	342035.1	29.94	0.67	0.33	2.92	
28-01-22 14:00	14.5	338958.6	37.69	0.57	0.53	2.55	
28-01-22 15:00	14.51	336861.3	37.58	0.33	0.52	2.49	
28-01-22 16:00	14.52	338417.2	37.67	0.46	0.33	2.49	
28-01-22 17:00	14.54	338721.9	36.12	0.33	0.56	2.56	
28-01-22 18:00	14.58	338751.9	34.77	0.33	0.58	2.78	
28-01-22 19:00	14.61	338386.7	32.82	0.47	0.33	3.33	
28-01-22 20:00	14.61	339916.3	33.3	0.42	0.33	3.22	
28-01-22 21:00	14.66	335604.2	31.04	0.46	0.33	3.47	
28-01-22 22:00	14.75	308512.6	23.13	0.55	0.65	6.32	
28-01-22 23:00	14.74	302266.1	24.91	0.5	0.36	3.14	
29-01-22 0:00	14.72	304594.2	26.07	0.61	0.34	3.26	
29-01-22 1:00	14.74	302939.57	21.36	0.67	0.68	3.7	
29-01-22 2:00	14.71	304681.5	25.22	0.39	0.76	3.1	
29-01-22 3:00	14.75	298844	20.79	0.87	0.66	3.67	
29-01-22 4:00	14.75	297545.7	19.86	0.76	0.74	4.29	
29-01-22 5:00	14.77	296322.4	18.96	0.99	1.34	4.05	

29-01-22 6:00	14.8	292339.4	15.49	1.02	2.26	4.25	
29-01-22 7:00	14.78	291182.5	19.48	0.75	2.6	3.52	
29-01-22 8:00	14.74	303077.5	24.27	0.77	0.34	2.86	
29-01-22 9:00	14.74	307948.3	22.99	0.91	0.34	2.96	
29-01-22 10:00	14.74	307337.7	24.08	0.81	0.35	2.81	
29-01-22 11:00	14.72	306570	24.11	0.58	0.36	2.69	
29-01-22 12:00	14.71	304965.8	23.58	0.77	0.37	2.64	
29-01-22 13:00	14.58	327050.5	27.15	0.73	0.33	2.71	
29-01-22 14:00	14.46	342352	33.07	0.63	0.32	2.14	
29-01-22 15:00	14.42	346984.8	28.59	0.51	0.32	2.06	
29-01-22 16:00	14.48	337418.2	33.85	0.48	0.32	2.14	
29-01-22 17:00	14.51	336159.2	35.18	0.48	0.33	2.27	
29-01-22 18:00	14.55	335537.3	33.6	0.49	0.33	2.48	
29-01-22 19:00	14.58	337816.8	31.97	0.45	0.33	2.88	
29-01-22 20:00	14.62	336001.2	31.43	0.44	0.33	3.12	
29-01-22 21:00	14.63	328123.4	30.25	0.43	0.75	5.45	
29-01-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-01-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 18:00	14.78	312750.8	33.45	1.03			
30-01-22 19:00	14.74	316462.6	32.94	0.5	0.34	3.57	
30-01-22 20:00	14.81	315256.1	28.68	0.46	0.76	6.68	
30-01-22 21:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-01-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 14:00	14.58	344,084.20	24.97	1.42	0.75	16.97	
31-01-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 17:00	14.56	341,022.20	32.15	0.00	0.33	3.51	
31-01-22 18:00	14.65	338,512.80	25.98	0.00	0.33	4.12	
31-01-22 19:00	14.65	341,812.80	23.84	0.00	0.33	4.04	
31-01-22 20:00	14.66	342,012.80	23.49	0.00	0.33	4.87	
31-01-22 21:00	14.61	350,495.90	19.92	0.00	0.33	5.14	
31-01-22 22:00	14.44	375,028.90	15.69	0.00	0.32	3.62	
31-01-22 23:00	14.43	379,384.40	15.17	0.00	0.31	3.18	
Minimum	14.16	292,441.20	2.41	0.00	0.31	1.63	
Maximum	17.84	389,888.60	44.85	4.83	6.27	47.80	
Avg	14.75	322,688.14	26.65	0.75	0.56	6.51	
STD							
STD = 60, 120				STD = 6, 20	STD = 28, 60	STD = 690	



08-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-02-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-02-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-02-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-02-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-02-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-02-22 13:00	16.20	240,525	37.00	5.00	4.24	68.62	
08-02-22 14:00	14.55	347,758	36.91	0.00	0.33	3.36	
08-02-22 15:00	14.54	347,534	34.99	0.00	0.33	3.12	
08-02-22 16:00	14.56	343,511	35.51	0.00	0.33	3.10	
08-02-22 17:00	14.58	344,391	32.66	0.00	0.33	3.17	
08-02-22 18:00	14.64	343,516	29.10	0.00	0.33	3.27	
08-02-22 19:00	14.65	346,326	27.45	0.00	0.33	3.31	
08-02-22 20:00	14.67	347,430	22.28	0.00	0.33	3.96	
08-02-22 21:00	14.68	349,885	21.91	0.00	0.34	5.10	
08-02-22 22:00	14.46	380,180	13.37	0.00	0.32	3.85	
08-02-22 23:00	14.45	383,264	13.43	0.00	0.32	2.54	
09-02-22 0:00	14.45	382,428	12.85	0.00	0.32	2.37	
09-02-22 1:00	14.44	381,600	12.83	0.00	0.32	2.78	
09-02-22 2:00	14.44	380,953	12.81	0.00	0.32	3.16	
09-02-22 3:00	14.45	380,848	13.62	0.00	0.32	2.90	
09-02-22 4:00	14.46	380,592	14.16	0.00	0.32	2.84	
09-02-22 5:00	14.48	380,501	15.22	0.00	0.32	2.82	
09-02-22 6:00	14.53	381,871	16.84	0.14	0.33	3.21	
09-02-22 7:00	14.54	381,399	17.59	0.43	0.33	3.70	
09-02-22 8:00	14.51	381,125	16.45	0.43	0.33	3.82	
09-02-22 9:00	14.48	382,650	17.59	0.37	0.32	3.34	
09-02-22 10:00	14.46	382,999	20.44	0.37	0.32	3.80	
09-02-22 11:00	14.42	383,798	18.53	0.38	0.32	3.31	
09-02-22 12:00	14.38	384,796	14.03	0.38	0.34	3.64	
09-02-22 13:00	14.50	359,747	23.89	0.31	0.33	3.69	
09-02-22 14:00	14.57	346,117	35.29	0.37	0.33	3.09	
09-02-22 15:00	14.58	342,832	36.11	0.32	0.33	3.03	
09-02-22 16:00	14.59	342,477	35.09	0.35	0.33	3.05	
09-02-22 17:00	14.61	344,646	33.51	0.27	0.33	3.05	
09-02-22 18:00	14.67	343,632	30.02	0.27	0.33	3.23	
09-02-22 19:00	14.69	344,314	26.37	0.29	0.34	3.77	
09-02-22 20:00	14.69	346,259	24.31	0.27	0.34	4.31	
09-02-22 21:00	14.70	352,851	21.32	0.25	0.34	5.04	
09-02-22 22:00	14.48	379,954	16.21	0.18	0.32	3.02	
09-02-22 23:00	14.47	382,421	15.15	0.18	0.32	2.60	
10-02-22 0:00	14.47	381,518	14.48	0.23	0.32	2.59	
10-02-22 1:00	14.46	380,401	14.77	0.33	0.32	2.68	
10-02-22 2:00	14.45	380,292	15.23	0.37	0.32	2.57	
10-02-22 3:00	14.46	380,502	15.70	0.46	0.32	2.48	
10-02-22 4:00	14.45	379,421	15.08	0.50	0.32	2.74	
10-02-22 5:00	14.45	379,798	14.87	0.58	0.32	2.81	
10-02-22 6:00	14.46	379,792	14.77	0.45	0.32	2.53	
10-02-22 7:00	14.47	379,474	15.49	0.69	0.32	2.68	
10-02-22 8:00	14.47	380,177	16.15	0.49	0.32	2.58	
10-02-22 9:00	14.47	381,492	17.21	0.49	0.32	2.75	
10-02-22 10:00	14.43	382,188	19.23	0.65	0.32	3.70	
10-02-22 11:00	14.39	382,360	17.58	0.40	0.32	3.24	
10-02-22 12:00	14.34	383,437	13.51	0.32	0.32	3.73	
10-02-22 13:00	14.46	361,621	22.17	0.57	0.32	3.46	
10-02-22 14:00	14.52	346,827	31.72	0.47	0.33	2.79	
10-02-22 15:00	14.55	344,316	35.01	0.59	0.33	2.88	
10-02-22 16:00	14.56	344,909	27.87	0.60	0.33	2.93	
10-02-22 17:00	14.58	346,605	25.88	0.56	0.33	3.14	
10-02-22 18:00	14.64	344,410	26.38	0.52	0.33	3.54	
10-02-22 19:00	14.65	345,625	24.69	0.50	0.33	4.35	
10-02-22 20:00	14.70	344,903	19.83	0.54	0.34	6.76	
10-02-22 21:00	14.61	353,702	19.97	0.59	0.33	5.28	
10-02-22 22:00	14.46	376,983	15.49	0.42	0.32	3.18	
10-02-22 23:00	14.45	380,825	15.54	0.66	0.32	2.55	
11-02-22 0:00	14.45	379,581	15.01	0.54	0.32	2.76	
11-02-22 1:00	14.45	379,875	15.29	0.66	0.32	2.75	
11-02-22 2:00	14.45	379,577	14.81	0.58	0.32	2.78	
11-02-22 3:00	14.45	379,550	14.78	0.51	0.32	2.61	
11-02-22 4:00	14.45	379,708	15.42	0.86	0.32	2.61	
11-02-22 5:00	14.46	379,934	15.24	0.73	0.32	2.56	
11-02-22 6:00	14.47	380,238	15.60	0.91	0.32	2.61	
11-02-22 7:00	14.46	379,658	14.50	0.67	0.32	2.76	
11-02-22 8:00	14.45	379,968	15.04	0.63	0.32	2.63	
11-02-22 9:00	14.43	380,928	16.44	0.67	0.32	2.63	
11-02-22 10:00	14.41	381,999	19.03	0.84	0.32	3.86	
11-02-22 11:00	14.37	382,718	16.52	0.79	0.32	2.78	
11-02-22 12:00	14.35	383,024	13.19	0.65	0.32	3.28	
11-02-22 13:00	14.45	361,751	18.11	0.70	0.33	3.11	
11-02-22 14:00	14.53	346,218	29.41	0.88	0.32	2.65	
11-02-22 15:00	14.55	344,725	30.80	0.82	0.33	2.91	
11-02-22 16:00	14.62	345,251	28.35	0.62	0.33	2.76	
11-02-22 17:00	14.65	336,890	30.06	0.66	0.33	3.89	
11-02-22 18:00	14.73	345,528	20.20	0.91	0.34	7.69	
11-02-22 19:00	14.74	343,446	22.70	1.01	0.34	10.84	
11-02-22 20:00	14.73	340,592	25.77	1.00	0.34	7.44	
11-02-22 21:00	14.72	344,135	24.70	0.99	0.34	7.78	
11-02-22 22:00	14.52	376,332	13.45	0.96	0.33	3.79	
11-02-22 23:00	14.47	379,837	14.13	0.86	0.32	2.37	
12-02-22 0:00	14.45	379,565	13.78	0.51	0.32	2.06	

12-02-22 1:00	14.43	380,040	12.93	0.00	0.32	1.90	
12-02-22 2:00	14.42	380,536	12.43	0.00	0.32	1.73	
12-02-22 3:00	14.42	379,903	12.25	0.00	0.32	1.74	
12-02-22 4:00	14.40	380,392	11.02	0.00	0.32	1.79	
12-02-22 5:00	14.41	379,877	11.37	0.00	0.32	1.62	
12-02-22 6:00	14.43	381,925	8.58	0.00	0.32	6.45	
12-02-22 7:00	14.46	380,913	11.68	0.12	0.32	3.83	
12-02-22 8:00	14.47	379,587	14.74	0.69	0.32	2.10	
12-02-22 9:00	14.46	381,205	16.61	0.94	0.32	2.68	
12-02-22 10:00	14.43	382,489	18.13	0.71	0.32	3.43	
12-02-22 11:00	14.40	382,679	18.08	0.76	0.32	3.38	
12-02-22 12:00	14.36	382,990	15.57	0.67	0.32	2.98	
12-02-22 13:00	14.47	362,073	16.22	0.67	0.32	3.33	
12-02-22 14:00	14.56	347,448	24.22	0.74	0.33	2.75	
12-02-22 15:00	14.63	346,081	21.08	0.84	0.33	2.80	
12-02-22 16:00	14.63	348,802	20.38	0.91	0.40	5.95	
12-02-22 17:00	14.66	347,710	22.94	0.84	0.33	8.72	
12-02-22 18:00	14.66	330,074	34.23	0.77	0.33	8.93	
12-02-22 19:00	14.65	329,524	32.65	0.76	0.33	3.05	
12-02-22 20:00	14.66	327,344	32.02	0.61	0.33	3.21	
12-02-22 21:00	14.68	333,439	25.15	0.80	0.34	4.13	
12-02-22 22:00	14.42	388,706	3.23	0.54	0.33	5.45	
12-02-22 23:00	14.35	398,589	0.00	0.68	0.32	5.90	
13-02-22 0:00	14.34	398,597	0.00	0.58	0.32	6.31	
13-02-22 1:00	14.34	398,506	0.00	0.81	0.34	6.61	
13-02-22 2:00	14.34	398,865	0.00	0.85	0.32	6.68	
13-02-22 3:00	14.32	399,081	0.00	0.71	0.32	6.88	
13-02-22 4:00	14.32	399,440	0.01	1.19	0.32	7.50	
13-02-22 5:00	14.32	399,500	0.00	0.78	0.32	7.97	
13-02-22 6:00	14.32	400,395	0.00	0.92	0.32	7.64	
13-02-22 7:00	14.33	400,465	0.00	0.78	0.33	7.63	
13-02-22 8:00	14.34	399,345	0.08	0.81	0.32	7.64	
13-02-22 9:00	14.36	396,101	2.38	0.91	0.32	7.24	
13-02-22 10:00	14.36	389,045	7.72	0.93	0.32	6.53	
13-02-22 11:00	14.35	385,721	8.59	0.82	0.32	7.84	
13-02-22 12:00	14.33	382,814	9.73	0.89	0.32	5.07	
13-02-22 13:00	14.30	380,423	10.96	1.01	0.32	4.46	
13-02-22 14:00	14.27	378,263	11.21	0.43	0.31	4.16	
13-02-22 15:00	14.29	376,951	11.98	0.60	0.32	4.03	
13-02-22 16:00	14.30	377,684	14.30	0.60	0.32	4.39	
13-02-22 17:00	14.40	372,756	13.44	0.60	0.32	4.91	
13-02-22 18:00	14.72	329,791	22.09	0.63	0.34	7.67	
13-02-22 19:00	14.73	318,129	27.97	0.71	0.34	2.72	
13-02-22 20:00	14.77	323,510	24.52	0.71	0.34	6.85	
13-02-22 21:00	14.46	387,071	9.77	0.62	0.32	3.04	
13-02-22 22:00	14.46	382,049	10.89	0.57	0.32	2.19	
13-02-22 23:00	14.47	391,416	11.43	0.74	0.32	2.22	
14-02-22 0:00	14.47	391,677	11.64	0.80	0.32	2.14	
14-02-22 1:00	14.48	391,320	10.61	0.70	0.32	2.06	
14-02-22 2:00	14.45	391,623	10.26	0.47	0.32	2.24	
14-02-22 3:00	14.43	394,956	7.78	0.41	0.32	2.25	
14-02-22 4:00	14.39	397,193	3.76	0.05	0.32	2.31	
14-02-22 5:00	14.34	400,669	0.14	0.00	0.32	5.85	
14-02-22 6:00	14.34	400,424	0.00	0.00	0.32	6.32	
14-02-22 7:00	14.35	401,235	0.00	0.00	0.32	6.17	





23-02-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-02-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-02-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-02-22 13:00	16.41	242,428	37.87	2.80	5.25	73.26	
23-02-22 14:00	14.81	343,658	39.86	0.00	0.34	8.23	
23-02-22 15:00	14.78	333,550	44.66	0.00	0.34	7.39	
23-02-22 16:00	14.78	331,480	44.16	0.00	0.34	7.49	
23-02-22 17:00	14.77	329,666	43.35	0.00	0.34	7.58	
23-02-22 18:00	14.81	320,884	40.65	0.00	0.34	7.49	
23-02-22 19:00	14.82	334,239	40.83	0.00	0.34	7.67	
23-02-22 20:00	14.80	345,065	39.00	0.00	0.34	8.84	
23-02-22 21:00	14.84	340,541	39.64	0.00	0.67	10.42	
23-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-02-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-02-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-02-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-02-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-02-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-02-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-02-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-02-22 13:00	16.37	250,844	37.18	2.65	5.41	72.64	
24-02-22 14:00	14.82	355,778	31.57	0.00	0.34	9.88	
24-02-22 15:00	14.82	351,776	33.82	0.00	0.34	9.34	
24-02-22 16:00	14.85	347,039	35.49	0.00	0.34	10.96	
24-02-22 17:00	14.82	348,681	34.41	0.00	0.34	10.87	
24-02-22 18:00	14.83	353,927	30.22	0.00	0.34	11.96	
24-02-22 19:00	14.79	346,789	38.89	0.00	0.34	8.73	
24-02-22 20:00	14.80	341,801	40.86	0.00	0.60	8.65	
24-02-22 21:00	14.84	343,667	34.76	0.00	0.59	10.89	
24-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-02-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-02-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-02-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-02-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-02-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-02-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-02-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-02-22 13:00	16.38	243,590	38.89	2.87	4.80	69.12	
25-02-22 14:00	14.70	359,706	33.63	0.00	0.34	10.05	
25-02-22 15:00	14.69	357,568	33.98	0.00	0.34	9.90	
25-02-22 16:00	14.81	337,351	36.79	0.00	0.34	9.70	
25-02-22 17:00	14.82	323,489	35.08	0.00	0.34	8.53	
25-02-22 18:00	14.82	326,523	39.23	0.00	0.34	8.30	
25-02-22 19:00	14.80	331,107	44.10	0.00	0.34	8.19	
25-02-22 20:00	14.81	330,596	43.03	0.00	0.34	8.18	
25-02-22 21:00	14.85	332,800	35.60	0.00	0.58	11.18	
25-02-22 22:00	20.26	31,066	7.83	4.87	2.09	35.60	
25-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-02-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-02-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-02-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-02-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-02-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-02-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-02-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-02-22 13:00	16.34	242,522	36.97	2.79	4.73	68.27	
26-02-22 14:00	14.74	350,234	34.29	0.00	0.34	9.09	
26-02-22 15:00	14.77	345,634	35.20	0.00	0.34	9.12	
26-02-22 16:00	14.74	346,220	32.34	0.00	0.34	8.85	
26-02-22 17:00	14.75	344,983	32.30	0.00	0.34	9.07	
26-02-22 18:00	14.77	349,817	29.84	0.00	0.34	9.61	
26-02-22 19:00	14.79	351,158	28.66	0.00	0.34	10.29	
26-02-22 20:00	14.83	349,767	26.66	0.00	0.34	12.41	
26-02-22 21:00	14.83	351,620	24.30	0.00	0.34	14.24	
26-02-22 22:00	14.51	398,508	7.25	0.00	0.53	10.02	
26-02-22 23:00	14.47	403,156	4.84	0.00	0.32	9.97	
27-02-22 0:00	14.45	403,591	3.42	0.00	0.32	9.68	
27-02-22 1:00	14.46	404,732	5.67	0.00	0.32	9.78	
27-02-22 2:00	14.44	406,509	6.27	0.00	0.32	10.76	
27-02-22 3:00	14.44	407,654	6.50	0.00	0.32	12.58	
27-02-22 4:00	14.45	407,783	6.48	0.00	0.32	15.05	

27-02-22 5:00	14.45	408,565	6.95	0.00	0.32	17.52	
27-02-22 6:00	14.50	404,098	9.53	0.00	0.33	9.33	
27-02-22 7:00	14.59	396,877	17.30	0.00	0.33	7.95	
27-02-22 8:00	14.57	398,001	17.89	0.00	0.33	7.59	
27-02-22 9:00	14.57	397,118	19.10	0.00	0.33	7.47	
27-02-22 10:00	14.52	397,529	14.69	0.00	0.33	8.91	
27-02-22 11:00	14.49	392,094	14.78	0.00	0.33	13.52	
27-02-22 12:00	14.47	383,428	15.44	0.00	0.32	13.27	
27-02-22 13:00	14.42	379,581	13.43	0.00	0.32	12.19	
27-02-22 14:00	14.41	377,890	13.05	0.00	0.32	11.65	
27-02-22 15:00	14.39	376,971	12.72	0.00	0.32	11.46	
27-02-22 16:00	14.39	376,471	13.29	0.00	0.32	11.02	
27-02-22 17:00	14.45	369,152	17.94	0.00	0.32	11.13	
27-02-22 18:00	14.70	331,729	27.12	0.00	0.34	9.05	
27-02-22 19:00	14.73	319,471	29.82	0.00	0.34	6.52	
27-02-22 20:00	14.76	324,281	27.68	0.00	0.34	8.15	
27-02-22 21:00	14.48	383,107	14.00	0.00	0.32	9.32	
27-02-22 22:00	14.43	391,796	10.11	0.00	0.32	9.90	
27-02-22 23:00	14.41	392,434	8.99	0.00	0.32	10.17	
28-02-22 0:00	14.45	392,540	14.29	0.00	0.32	6.70	
28-02-22 1:00	14.45	392,826	13.82	0.00	0.32	6.40	
28-02-22 2:00	14.46	392,584	13.81	0.00	0.32	6.72	
28-02-22 3:00	14.45	395,178	12.22	0.00	0.32	6.39	
28-02-22 4:00	14.44	397,287	9.76	0.00	0.32	7.07	
28-02-22 5:00	14.38	404,230	2.18	0.00	0.32	12.24	
28-02-22 6:00	14.38	403,777	1.21	0.00	0.32	12.77	
28-02-22 7:00	14.38	404,906	1.65	0.00	0.32	12.99	
28-02-22 8:00	14.41	402,452	1.12	0.00	0.32	12.50	
28-02-22 9:00	14.46	382,804	14.16	0.00	0.32	7.21	
28-02-22 10:00	14.43	383,196	11.99	0.00	0.32	8.04	
28-02-22 11:00	14.40	381,161	7.06	0.00	0.32	10.15	
28-02-22 12:00	14.37	379,170	8.24	0.00	0.32	9.14	
28-02-22 13:00	14.50	356,589	21.08	0.00	0.33	7.37	
28-02-22 14:00	14.54	344,405	33.00	0.00	0.33	5.82	
28-02-22 15:00	14.48	350,659	23.32	0.00	0.32	5.43	
28-02-22 16:00	14.53	345,516	29.32	0.00	0.33	5.93	
28-02-22 17:00	14.53	346,177	26.70	0.00	0.33	6.38	
28-02-22 18:00	14.61	342,456	29.76	0.00	0.33	6.19	
28-02-22 19:00	14.63	342,536	28.43	0.00	0.33	6.45	
28-02-22 20:00	14.69	340,532	25.37	0.00	0.34	8.97	
28-02-22 21:00	14.70	340,248	22.11	0.00	0.54	12.67	
28-02-22 22:00	20.09	30,557	4.91	5.97	1.87	38.49	
28-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
Minimum	14.27	30,556.67	0.01	0.01	0.31	1.09	
Maximum	20.26	408,564.90	49.57	5.97	0.57	73.26	
Average	14.66	358,637.90	21.45	0.83	0.50	6.49	
SUM							
STD			STD = 60, 120	STD = 6, 20	STD = 28, 60	STD = 690	

Date & Time	Emission Concentration for Standardization Comparison						Remark
	O2	FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2	
	%	m3/hr	ppm	ppm	mg/m3	ppm	
01-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-03-22 9:00	19.43	7173.64	19.46	3.21	3.25	61.67	
01-03-22 10:00	14.85	335724.4	29.74	0.06	0.34	21.85	
01-03-22 11:00	14.7	345945.6	32.12	0	0.34	7.1	
01-03-22 12:00	14.64	345597.1	37.14	0	0.33	6.99	
01-03-22 13:00	14.56	351970.3	31.61	0	0.33	6.8	
01-03-22 14:00	14.49	360059	23.73	0	0.33	6.64	
01-03-22 15:00	14.52	352087	23.43	0	0.33	6.41	
01-03-22 16:00	14.54	346683.3	24.62	0	0.33	6.25	
01-03-22 17:00	14.58	341896.1	31.07	0	0.33	6.42	
01-03-22 18:00	14.61	341796.2	33.32	0	0.33	6.68	
01-03-22 19:00	14.65	341884.1	30.11	0	0.33	6.84	
01-03-22 20:00	14.67	342833.1	27.99	0	0.33	7.21	
01-03-22 21:00	14.69	342728.6	28.55	0	0.34	7.67	
01-03-22 22:00	14.69	345681.4	26.57	0	0.34	7.3	
01-03-22 23:00	14.78	321877.3	22.27	0	0.73	10.72	
02-03-22 0:00	14.8	306977	21.54	0	0.34	7.51	
02-03-22 1:00	14.77	306098.2	21.66	0	0.34	7.25	
02-03-22 2:00	14.77	305430.7	20.97	0	0.38	7.86	
02-03-22 3:00	14.77	303364.1	20.41	0	0.42	7.51	
02-03-22 4:00	14.8	301310.6	21.43	0	0.6	6.99	
02-03-22 5:00	14.77	302800.8	21.8	0	0.41	7.17	
02-03-22 6:00	14.79	302820.3	21.19	0	0.4	7.15	
02-03-22 7:00	14.83	306760.3	21.84	0	0.4	7.26	
02-03-22 8:00	14.81	322044.7	24.32	0	0.34	7.19	
02-03-22 9:00	14.64	324178.8	21.92	0	0.34	10.88	
02-03-22 10:00	14.69	351927	21.94	0	0.34	8.87	
02-03-22 11:00	14.66	348337.1	27.87	0	0.33	6.21	
02-03-22 12:00	14.62	346919.8	30.47	0	0.33	6.05	
02-03-22 13:00	14.57	346364.7	36.1	0	0.33	5.85	
02-03-22 14:00	14.57	344034.7	36.54	0	0.33	5.8	
02-03-22 15:00	14.59	341379.4	35.24	0	0.33	6.09	
02-03-22 16:00	14.57	343918	36.84	0	0.33	5.92	
02-03-22 17:00	14.57	344556.3	31.87	0	0.33	6	
02-03-22 18:00	14.62	342484.9	25.17	0	0.33	5.98	
02-03-22 19:00	14.63	345465.3	23.61	0	0.33	6.05	
02-03-22 20:00	14.64	347765.4	23.51	0	0.33	6.24	
02-03-22 21:00	14.58	356445.5	21.71	0	0.33	6.42	
02-03-22 22:00	14.59	357688.1	21.68	0	0.33	6.24	
02-03-22 23:00	14.78	322429.7	17.99	0	0.73	12.9	
03-03-22 0:00	14.84	304734.3	22.83	0	0.41	6.69	
03-03-22 1:00	14.85	309671.5	27.8	0	0.38	6.8	
03-03-22 2:00	14.87	307865	26.82	0	0.38	7.17	
03-03-22 3:00	14.87	304593.2	24.94	0	0.52	7.	

[illegible]

08-03-22 6:00	14.84	305925.2	31.34	0.65	0.34	6.82	
08-03-22 7:00	14.88	306135.8	30.84	0.72	0.45	6.88	
08-03-22 8:00	14.87	313841.1	34.76	0.71	0.35	6.8	
08-03-22 9:00	14.87	323577.8	33.64	0.44	0.35	8.86	
08-03-22 10:00	14.76	355265.1	25.66	0.05	0.34	13.04	
08-03-22 11:00	14.73	353273.5	26.43	0	0.34	8.43	
08-03-22 12:00	14.74	349697.7	30.08	0	0.34	9.46	
08-03-22 13:00	14.6	356468.4	27.07	0	0.33	6.13	
08-03-22 14:00	14.62	351232.9	29.55	0	0.33	6.35	
08-03-22 15:00	14.67	348530	30.76	0	0.33	7.27	
08-03-22 16:00	14.65	347157.3	29.15	0	0.33	7.39	
08-03-22 17:00	14.62	351253.6	28.48	0	0.33	7.24	
08-03-22 18:00	14.63	352594	28.7	0	0.33	6.8	
08-03-22 19:00	14.62	352961.1	25.21	0	0.33	7.44	
08-03-22 20:00	14.71	350030.4	28.13	0	0.34	9.43	
08-03-22 21:00	14.71	344301.2	36.01	0.05	0.34	6.82	
08-03-22 22:00	14.72	349227.9	32.76	0.16	0.34	9.69	
08-03-22 23:00	14.81	324890.7	25.82	0.26	0.65	10.82	
09-03-22 0:00	14.84	304518.1	25.8	0.15	0.34	7.66	
09-03-22 1:00	14.81	306208.8	28.17	0.37	0.34	7.38	
09-03-22 2:00	14.8	305037.4	26.81	0.33	0.34	7.19	
09-03-22 3:00	14.82	302955.4	24.82	0.32	0.43	6.96	
09-03-22 4:00	14.86	298721	22.92	0.38	1.3	7.15	
09-03-22 5:00	14.84	298092.8	26.24	0.52	0.37	6.67	
09-03-22 6:00	14.84	301395.4	27.45	0.53	0.5	6.71	
09-03-22 7:00	14.89	300273.8	24.31	0.48	0.34	6.79	
09-03-22 8:00	14.85	311175	30.86	0.28	0.34	6.6	
09-03-22 9:00	14.9	316502.4	25.52	0.33	0.35	10.02	
09-03-22 10:00	14.75	350142.1	28.43	0.17	0.34	11.04	
09-03-22 11:00	14.7	349389	32.71	0.47	0.34	6.3	
09-03-22 12:00	14.66	345850.7	36.22	0.13	0.33	6.18	
09-03-22 13:00	14.61	347715.8	36.47	0.05	0.33	7.32	
09-03-22 14:00	14.49	360521.8	28.45	0	0.33	5.63	
09-03-22 15:00	14.52	354053.2	28.02	0	0.33	5.74	
09-03-22 16:00	14.57	347040.3	30.01	0.09	0.33	6.09	
09-03-22 17:00	14.6	343442.6	36.37	0	0.33	6.14	
09-03-22 18:00	14.67	341239.3	34.04	0.01	0.33	6.78	
09-03-22 19:00	14.69	343080.6	36.03	0.03	0.34	6.91	
09-03-22 20:00	14.69	345134.8	31.54	0.05	0.34	8.04	
09-03-22 21:00	14.71	346121.9	24.89	0.34	0.34	8.1	
09-03-22 22:00	14.66	351561.2	28.09	0.09	0.33	6.99	
09-03-22 23:00	14.81	322425.4	29.77	0.15	0.56	11	
10-03-22 0:00	14.84	307388	29.41	0.16	0.34	6.75	
10-03-22 1:00	14.82	306698.9	28.09	0.24	0.41	7.59	
10-03-22 2:00	14.82	303354	25.63	0.25	0.34	7.72	
10-03-22 3:00	14.79	301055.5	25.2	0.41	0.34	7.42	
10-03-22 4:00	14.78	300353.7	25.33	0.36	0.72	7.16	
10-03-22 5:00	14.79	298061.7	25.13	0.48	0.98	7.21	
10-03-22 6:00	14.81	299847.3	26.57	0.58	0.46	6.96	
10-03-22 7:00	14.81	301501.8	27.46	0.56	0.46	6.96	
10-03-22 8:00	14.8	311944.8	31.75	0.43	0.34	6.82	
10-03-22 9:00	14.81	317835.1	29.15	0.15	0.34	8.96	
10-03-22 10:00	14.66	349555.7	30.04	0.14	0.33	8.74	
10-03-22 11:00	14.68	344008.8	38.04	0.07	0.34	6.12	
10-03-22 12:00	14.61	344003.7	37.46	0	0.33	6.08	
10-03-22 13:00	14.53	352290.1	27.78	0.07	0.33	5.53	
10-03-22 14:00	14.51	354915.1	26.93	0.03	0.33	5.4	
10-03-22 15:00	14.51	351285.1	29	0	0.33	5.16	
10-03-22 16:00	14.52	350394.4	27.1	0	0.33	5.13	
10-03-22 17:00	14.57	346587.8	26.39	0	0.33	5.79	
10-03-22 18:00	14.66	340339.8	33.96	0	0.33	6.83	
10-03-22 19:00	14.67	341603.6	33.99	0	0.33	6.67	
10-03-22 20:00	14.68	342866.7	33.53	0	0.34	7	
10-03-22 21:00	14.71	343567.3	31.93	0.01	0.34	8.44	
10-03-22 22:00	14.64	349227.9	29.51	0.03	0.33	7.92	
10-03-22 23:00	14.75	324231.7	25.9	0.1	0.6	12.82	
11-03-22 0:00	14.81	308715.6	28.16	0.08	0.38	7.2	
11-03-22 1:00	14.81	306414.8	28.46	0.2	0.34	7.11	
11-03-22 2:00	14.81	304792.4	28.68	0.27	0.4	6.93	
11-03-22 3:00	14.8	302712.8	27.46	0.33	0.34	6.93	
11-03-22 4:00	14.83	300085.8	25.79	0.39	0.34	7.63	
11-03-22 5:00	14.79	299493.3	25.64	0.38	0.51	7.47	
11-03-22 6:00	14.77	305999.5	29.29	0.32	0.34	6.97	
11-03-22 7:00	14.83	305706.6	28.62	0.5	0.37	6.75	
11-03-22 8:00	14.81	317540.1	24.59	0.49	0.31	6.21	
11-03-22 9:00	14.86	324496.4	33.22	0.42	0.35	7.13	
11-03-22 10:00	14.72	347378.8	34.92	0.23	0.34	7.52	
11-03-22 11:00	14.66	347306.7	35.29	0.08	0.33	5.79	
11-03-22 12:00	14.65	349653.3	43.6	0.12	0.33	5.74	
11-03-22 13:00	14.61	345884.9	44.57	0	0.33	5.83	
11-03-22 14:00	14.59	341247.5	44.35	0	0.33	5.39	
11-03-22 15:00	14.58	340180	43.33	0	0.33	5.36	
11-03-22 16:00	14.61	338542.5	43.06	0	0.33	5.55	
11-03-22 17:00	14.61	339446.4	42.84	0	0.33	5.65	
11-03-22 18:00	14.63	341096.9	41.84	0	0.33	6.06	
11-03-22 19:00	14.67	341172.4	33.72	0	0.33	7.12	
11-03-22 20:00	14.66	344046.2	34.76	0	0.33	6.47	
11-03-22 21:00	14.71	342276.8	35.04	0.03	0.34	8.01	
11-03-22 22:00	14.68	347134	36.24	0.06	0.34	6.35	
11-03-22 23:00	14.83	318270.4	30.58	0.14	0.57	12.82	
12-03-22 0:00	14.86	307708.7	28.53	0.09	0.34	6.2	

12-03-22 1:00	14.82	303097.7	31	0.18	0.51	6.08	
12-03-22 2:00	14.85	300492	27.52	0.19	0.63	6.13	
12-03-22 3:00	14.89	294693.8	23.05	0.25	2.11	6.66	
12-03-22 4:00	14.85	295299.2	26.07	0.32	1.08	7.2	
12-03-22 5:00	14.85	290080.7	22.59	0.33	2.35	7.17	
12-03-22 6:00	14.86	290381.3	22.65	0.44	2.21	6.87	
12-03-22 7:00	14.88	285502.8	21.48	0.49	4.38	7.13	
12-03-22 8:00	14.88	294893.8	26.68	0.46	1.01	6.27	
12-03-22 9:00	14.91	304944.6	25.96	0.59	0.53	6.37	
12-03-22 10:00	14.7	346784.4	32.64	0.07	0.34	6.47	
12-03-22 11:00	14.62	346012.7	40.4	0	0.33	5.32	
12-03-22 12:00	14.57	347561.6	34.16	0	0.33	5.17	
12-03-22 13:00	14.5	353024.1	27.11	0	0.33	4.8	
12-03-22 14:00	14.49	353662.6	27.81	0	0.33	4.7	
12-03-22 15:00	14.53	346174.2	30.92	0	0.33	4.88	
12-03-22 16:00	14.55	343167.7	33.76	0	0.33	5	
12-03-22 17:00	14.55	341801	36.11	0	0.33	4.95	
12-03-22 18:00	14.62	338085.8	33.6	0	0.33	5.1	
12-03-22 19:00	14.66	339388.8	31.71	0	0.33	5.33	
12-03-22 20:00	14.67	338991.8	29.49	0	0.33	5.53	
12-03-22 21:00	14.68	339688	31.73	0	0.34	5.21	
12-03-22 22:00	14.71	340035.8	29.35	0	0.34	5.88	
12-03-22 23:00	18.6	111964.6	11.21	5.81	2.13	33.87	
13-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 18:00	16.09	244238.1	39.36	3.76	5.18	72.58	
13-03-22 19:00	14.76	326264	38.58	0	0.34	6.75	
13-03-22 20:00	14.8	321547	39.36	0	0.34	6.65	
13-03-22 21:00	14.82	319990.8	34.62	0	0.34	6.83	
13-03-22 22:00	17.21	189124	19.12	5.77	2.4	42.63	
13-03-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-03-22 7:00	19.98	49548.92	14.65	4.41	3.01	57.55	
14-03-22 8:00	15.15	296303	29.94	1.48	2.51	45.24	
14-03-22 9:00	14.82	315531.3	30.99	0.19	0.34	7.95	
14-03-22 10:00	14.65	352252.7	28.24	0.07	0.33	8.07	
14-03-22 11:00	14.65	348330.2	31.39	0.11	0.33	6.48	
14-03-22 12:00	14.55	355196.8	28.28	0	0.33	5.95	
14-03-22 13:00	14.5	357198.7	28.8	0	0.33	5.81	
14-03-22 14:00	14.47	358277	28.43	0	0.32	5.71	
14-03-22 15:00	14.46	355928.4	27.14	0	0.32	5.61	
14-03-22 16:00	14.51	354744.4	29.86	0	0.33	6.04	
14-03-22 17:00	14.59	348136.4	33.07	0	0.33	6.14	
14-03-22 18:00	14.63	345803.4	32.43	0	0.33	6.52	
14-03-22 19:00	14.65	343611.8	36.09	0	0.33	6.64	
14-03-22 20:00	14.7	339722.9	39.68	0	0.34	6.74	
14-03-22 21:00	14.7	340080.7	39.26	0	0.34	6.84	
14-03-22 22:00	14.71	331662.1	38.19	0	0.34	6.59	
14-03-22 23:00	14.84	315978.2	24.36	0.01	0.61	11.1	
15-03-22 0:00	14.81	306928.5	29.28	0.02	0.34	7.18	
15-03-22 1:00	14.81	302419.9	27.26	0.07	0.34	6.94	
15-03-22 2:00	14.81	300494.1	27.33	0.08	0.7	7.17	
15-03-22 3:00	14.85	307119.4	25.86	0.27	0.49	7.9	
15-03-22 4:00	14.87	296968.1	27.78	0.26	0.83	7.82	
15-03-22 5:00	14.9	294236.4	22.96	0.3	2.74	8.97	
15-03-22 6:00	14.87	300000.1	26.77	0.37	0.67	7.89	
15-03-22 7:00	14.89	299323.7	24.35	0.18	0.51	7.75	
15-03-22 8:00	14.83	313174	32.23	0.06	0.34	7.36	
15-03-22 9:00	14.8	323823.4	34.61	0.06	0.34	7.29	
15-03-22 10:00	14.5	371026.4	24.46	0.01	0.33	6.38	
15-03-22 11:00	14.52	359137.3	27.25	0	0.33	5.82	
15-03-22 12:00	14.54	354387.5	26.56	0	0.33	5.83	
15-03-22 13:00	14.54	352653.1	29.86	0	0.33	5.69	
15-03-22 14:00	14.55	343891.9	34.95	0	0.33	5.53	
15-03-22 15:00	<Samp	355511.8	<Samp	<Samp	<Samp	<Samp	<Samp
15-03-22 16:00	14.39	358499.5	30.1	0.01	0.32	5.2	
15-03-22 17:00	14.58	349442.5	34.68	0	0.32	5.1	
15-03-22 18:00	14.52	351454.7	28.78	0	0.33	5.3	
15-03-22 19:00	14.61	347119.5	34.39	0	0.33	5.59	

15-03-22 20:00	14.63	338573.9	37.05	0	0.33	5.77	
15-03-22 21:00	14.62	343679.1	36.47	0.03	0.33	6	
15-03-22 22:00	14.53	358813.7	28.55	0.03	0.33	5.49	
15-03-22 23:00	14.7	322563.7	32.45	0.06	0.44	7.77	
16-03-22 0:00	14.76	308246.3	31.73	0.08	0.34	6.43	
16-03-22 1:00	14.77	304887.4	29.45	0.2	0.34	6.53	
16-03-22 2:00	14.74	305749.8	30.18	0.26	0.35	6.17	
16-03-22 3:00	14.75	300599.8	29.12	0.3	0.34	6.05	
16-03-22 4:00	14.79	296441	25.05	0.38	0.7	6.39	
16-03-22 5:00	14.79	295765.5	24.97	0.47	0.7	7.82	
16-03-22 6:00	14.78	299859.8	23.55	0.6	0.48	6.72	
16-03-22 7:00	14.8	300215.3	25.89	0.24	0.65	6.37	
16-03-22 8:00	14.75	310228.5	29.79	0	0.45	5.84	
16-03-22 9:00	14.77	318578.9	27.31	0	0.34	8.4	
16-03-22 10:00	14.6	352364.2	27.53	0	0.33	7.87	
16-03-22 11:00	14.59	349485.3	29.91	0.03	0.33	5.19	
16-03-22 12:00	14.58	346994.9	30.7	0.01	0.33	6.32	
16-03-22 13:00	14.52	348794.7	28.86	0	0.33	5.71	
16-03-22 14:00	14.63	345944.8	30.08	0.03	0.33	7.35	
16-03-22 15:00	14.66	348389.3	28.55	0.43	0.33	10.03	
16-03-22 16:00	14.59	355801.8	30.13	0.29	0.33	6.73	
16-03-22 17:00	14.62	366531	27.33	0.39	0.33	7.81	
16-03-22 18:00	14.66	354240.3	28.88	0.58	0.33	9.08	
16-03-22 19:00	14.65	355565.7	27.54	0.54	0.33	7.93	
16-03-22 20:00	14.67	339891.9	38.14	0.45	0.33	5.63	
16-03-22 21:00	14.67	339481.5	38.43	0.5	0.47	6.34	
16-03-22 22:00	14.67	341797.8	41.26	0.55	0.33	5.23	
16-03-22 23:00	14.79	319210.1	31.15	0.75	0.51	10.14	
17-03-22 0:00	14.8	304894.9	30.75	0.64	0.43	6.34	
17-03-22 1:00	14.78	305511.6	30.81	0.72	0.34	6.28	
17-03-22 2:00	14.76	301899.3	29.87	0.58	0.34	6.5	
17-03-22 3:00	14.79	302035.8	29.65	0.79	0.52	6.62	
17-03-22 4:00	14.76	299433.3	30.59	0.56	0.56	6.26	
17-03-22 5:00	14.81	293153.3	24.59	0.76	1.59	6.88	
17-03-22 6:00	14.77	304515.9	29.55	0.7	0.41	6.79	
17-03-22 7:00	14.8	303158.3	27.17	0.65	0.57	7.12	
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17-03-22 10:00	14.51	354598	25.93	0.43	0.33	9.1	
17-03-22 11:00	14.57	349263.5	28.01	0.37	0.57	6.33	
17-03-22 12:00	14.55	349215.5	27.72	0.29	0.33	6.23	
17-03-22 13:00	14.52	349218.3	28.64	0.2	0.33	5.72	
17-03-22 14:00	14.48	350569.9	29.84	0.09	0.32	5.27	
17-03-22 15:00	14.47	348008.6	28.46	0.03	0.32	5.1	
17-03-22 16:00	14.49	346195.9	29.74	0.34	0.33	5.34	
17-03-22 17:00	14.59	342561.7	34.49	0.02	0.33	5.83	
17-03-22 18:00	14.62	347753.8	33.7	0.2	0.33	5.99	
17-03-22 19:00	14.68	345179.3	33.24	0.23	0.33	6.81	
17-03-22 20:00	14.63	351589	30.22	0.19	0.33	5.73	
17-03-22 21:00	14.65	350811.8	28.94	0.32	0.33	7.78	
17-03-22 22:00	14.62	350102.3	29.23	0.36	0.33	6.73	
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18-03-22 0:00	14.81	300738.7	25.4	0.48	0.51	6.41	
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18-03-22 4:00	14.78	298105.9	21.06	0	1.03	6.28	
18-03-22 5:00	14.76	298524.3	22.5	0	0.52	5.97	
18-03-22 6:00	14.76	301154.3	22.33	0	0.34	5.83	
18-03-22 7:00	14.8	300595.8	17.38	0	0.69	6.66	
18-03-22 8:00	14.76	314516.2	24.96	0	0.34	5.63	
18-03-22 9:00	14.76	316639.1	25.69	0	0.34	5.56	
18-03-22 10:00	14.64	347393.6	28.66	0	0.33	5.63	
18-03-22 11:00	14.55	352492.6	25.67	0	0.33	5.7	
18-03-22 12:00	14.48	354691.2	25.84	0	0.32	5	
18-03-22 13:00	14.57	353571.3	27.2	0.01	0.33	7.9	
18-03-22 14:00	14.67	353989.3	26.85	0.17	0.33	11.3	
18-03-22 15:00	14.59	363581.2	26.23	0.49	0.33	7.55	
18-03-22 16:00	14.65	351695.7	30.76	0.64	0.33	11.51	
18-03-22 17:00	14.61	345752.6	30.2	0.33	0.34	13.71	
18-03-22 18:00	14.68	340199.1	38.36	0.66	0.33	5.35	
18-03-22 19:00	14.69	342973.9	36.13	0.56	0.34	5.59	
18-03-22 20:00	14.69	341933.6	36.63	0.56	0.34	6.02	
18-03-22 21:00	14.7	337658.5	37.57	0.62	0.34	5.63	
18-03-22 22:00	14.67	340937.7	37.86	0.63	0.33	6.76	
18-03-22 23:00	14.79	322063.5	24.01	0.66	0.38	10.7	
19-03-22 0:00	14.79	304673.4	28.95	0.76	0.63	5.76	
19-03-22 1:00	14.8	305386.7	26.63	0.92	0.52	5.98	
19-03-22 2:00	14.81	298928.8	24.06	0.67	0.59	5.97	
19-03-22 3:00	14.8	303374.5	25.23	0.63	0.84	5.84	
19-03-22 4:00	14.8	297301.7	25.81	0.81	1	5.77	
19-03-22 5:00	14.79	292681	25.65	0.7	1.85	5.73	
19-03-22 6:00	14.83	290846.9	23.27	0.82	3.33	5.77	
19-03-22 7:00	14.86	287600.9	22.33	0.92	6.23	6.42	
19-03-22 8:00	14.83	300952.9	27.54	0.82	0.56	6.89	
19-03-22 9:00	14.82	309070.9	28.56	0.5	0.34	5.95	
19-03-22 10:00	14.7	351172	26.16	0.46	0.34	12.29	
19-03-22 11:00	14.66	352468.6	27.87	0.54	0.33	9.49	
19-03-22 12:00	14.66	348416.9	28.47	0.38	0.33	9.1	
19-03-22 13:00	14.6	347974.4	31.47	0.38	0.46	6.35	
19-03-22 14:00	14.62	342417.2	35.77	0.29	0.33	6.07	

19-03-22 15:00	14.59	342289.7	35.42	0.06	0.33	5.61	
19-03-22 16:00	14.56	342100.9	36.84	0	0.33	4.82	
19-03-22 17:00	14.58	342891.6	36.96	0	0.33	5.17	
19-03-22 18:00	14.58	347319.4	31.16	0.04	0.33	5.69	
19-03-22 19:00	14.59	349414.8	29.45	0.13	0.33	5.75	
19-03-22 20:00	14.63	348638.8	30.99	0.23	0.33	6.36	
19-03-22 21:00	14.7	343322.1	28.4	0.17	0.34	12.74	
19-03-22 22:00	14.66	338377.5	36.98	0.27	0.33	6.1	
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20-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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20-03-22 19:00	14.69	349422.3	31.52	0.38	0.34	9.84	
20-03-22 20:00	14.67	353903.6	30.93	0.3	0.33	6.99	
20-03-22 21:00	14.69	342532.4	35.56	0.27	0.34	6.01	
20-03-22 22:00	17.07	200858.3	22.13	5.25	2.34	46.32	
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21-03-22 7:00	20.05	47516.2	14.59	4.32	3.02	57.56	
21-03-22 8:00	15.13	297319	33.21	1.8	2.72	45.58	
21-03-22 9:00	14.81	323027.3	28.95	0.48	0.34	9.76	
21-03-22 10:00	14.65	348120.8	31.05	0.26	0.33	8.3	
21-03-22 11:00	14.64	348156.5	33.97	0.12	0.33	5.98	
21-03-22 12:00	14.65	347286.1	34.68	0.02	0.33	5.97	
21-03-22 13:00	14.62	344308.8	42.98	0	0.33	5.88	
21-03-22 14:00	14.61	342767.5	43.57	0	0.33	5.95	
21-03-22 15:00	14.6	343582.7	39.61	0	0.33	6.03	
21-03-22 16:00	14.61	344005.5	39.79	0	0.33	5.98	
21-03-22 17:00	14.64	343452.8	36.48	0	0.33	6.19	
21-03-22 18:00	14.71	342285.9	33	0.02	0.34	10.11	
21-03-22 19:00	14.71	345577.8	28.4	0.18	0.34	13.76	
21-03-22 20:00	14.73	346422.8	27.37	0.25	0.34	14.68	
21-03-22 21:00	14.71	344328.8	33.35	0.12	0.34	9.32	
21-03-22 22:00	14.72	344940.8	32.68	0.16	0.34	9.56	
21-03-22 23:00	14.82	323893	24.15	0.27	0.47	15.46	
22-03-22 0:00	14.85	302655.3	26.17	0.28	0.87	7.15	
22-03-22 1:00	14.84	303106.2	27.8	0.43	1.06	7.52	
22-03-22 2:00	14.83	301806.7	27.69	0.53	0.92	7.44	
22-03-22 3:00	14.86	295696.8	25.12	0.59	2.08	6.47	
22-03-22 4:00	14.86	295017.6	25.48	0.57	2.14	7.33	
22-03-22 5:00	14.84	296020.2	27.94	0.51	1.44	6.84	
22-03-22 6:00	14.83	300184.7	30.5	0.61	0.39	6.64	
22-03-22 7:00	14.86	305995.2	26.15	0.58	0.67	6.84	
22-03-22 8:00	14.85	320974.4	27.43	0.42	0.33	6.63	
22-03-22 9:00	14.84	330332.2	31.21	0.29	0.34	6.63	
22-03-22 10:00	14.77	349394.6	29.64	0.12	0.34	7.22	
22-03-22 11:00	14.68	347499.4	35.87	0.07	0.34	5.47	
22-03-22 12:00	14.66	346631.3	38.85	0.06	0.33	5.86	
22-03-22 13:00	14.55	357654.3	29.26	0.01	0.33	5.86	
22-03-22 14:00	14.57	351386.3	29.79	0.01	0.33	5.97	
22-03-22 15:00	14.6	347777.3	34.37	0.13	0.33	6.02	
22-03-22 16:00	14.53	354294.7	31.93	0	0.33	5.98	
22-03-22 17:00	14.68	347294.4	30.15	0.12	0.33	5.97	
22-03-22 18:00	14.68	348274.6	27.24	0.24	0.34	11.69	
22-03-22 19:00	14.65	352356	28.44	0.27	0.33	7.9	
22-03-22 20:00	14.7	349815.1	27.84	0.38	0.34	11.78	
22-03-22 21:00	14.73	348130.9	29.76	0.39	0.34	11.3	
22-03-22 22:00	14.69	3527148.8	27.52	0.52	0.34	6.47	
22-03-22 23:00	14.82	323968.8	25.53	0.53	0.6	13.7	
23-03-22 0:00	14.85	304131.8	31.2	0.5	0.64	6.46	
23-03-22 1:00	14.87	312347	27.88	0.52	0.56	14.65	
23-03-22 2:00	14.86	306287.1	29.18	0.64	0.63	7.4	
23-03-22 3:00	14.82	301600.4	28.62	0.58	0.81	6.47	
23-03-22 4:00	14.84	296505.3	27.37	0.58	1.23	6.47	
23-03-22 5:00	14.86	299589.7	29.81	0.73	0.68	6.33	
23-03-22 6:00	14.86	304215.7	27.82	0.57	1.04	6.7	
23-03-22 7:00	14.91	302568	24.03	0.67	0.53	7.07	
23-03-22 8:00	14.88	316123.6	28.09	0.37	0.35	6.35	
23-03-22 9:00	14.85	325252.4	31.62	0.13	0.34	8.03	



23-03-22 10:00	14.68	352826.5	28.47	0.04	0.34	7.57	
23-03-22 11:00	14.64	348791.5	31.56	0	0.33	5.27	
23-03-22 12:00	14.68	346245.3	34.86	0.05	0.34	5.67	
23-03-22 13:00	14.62	348978.6	32.24	0.02	0.33	5.38	
23-03-22 14:00	14.55	353628.5	33.72	0	0.33	5.71	
23-03-22 15:00	14.51	353693.6	32.23	0	0.33	5.03	
23-03-22 16:00	14.59	343078	37.1	0	0.33	5.39	
23-03-22 17:00	14.63	342545.3	37.41	0.01	0.33	6.88	
23-03-22 18:00	14.7	338502.6	36.8	0.03	0.34	5.97	
23-03-22 19:00	14.71	341338.5	33.22	0.08	0.34	7.5	
23-03-22 20:00	14.63	347529.3	34.21	0.1	0.33	5.64	
23-03-22 21:00	14.75	342242.1	26.37	0.35	0.34	13.86	
23-03-22 22:00	14.7	345920.7	31.54	0.36	0.34	8.69	
23-03-22 23:00	14.78	323632.1	26.91	0.41	0.36	11.04	
24-03-22 0:00	14.88	304087.2	26.4	0.52	1.38	8.21	
24-03-22 1:00	14.86	303263.5	27.5	0.53	0.93	7.16	
24-03-22 2:00	14.86	300630.1	26.48	0.57	0.98	6.9	
24-03-22 3:00	14.84	300100.3	27.82	0.65	0.94	6.67	
24-03-22 4:00	14.81	303786.9	30.89	0.63	0.52	6.41	
24-03-22 5:00	14.84	300144.9	26.93	0.58	0.82	7.01	
24-03-22 6:00	14.85	295896.8	25.85	0.6	1.5	7.01	
24-03-22 7:00	14.86	296182.6	25.36	0.46	0.74	6.45	
24-03-22 8:00	14.87	314178.7	26.51	0.5	0.35	7.79	
24-03-22 9:00	14.86	317929.3	27.54	0.33	0.35	7.97	
24-03-22 10:00	14.7	347510.1	33.24	0.09	0.34	7.07	
24-03-22 11:00	14.67	344107.7	36.66	0.2	0.33	5.2	
24-03-22 12:00	14.64	342918.8	40.7	0.04	0.33	5.14	
24-03-22 13:00	14.62	343727.4	43.04	0.02	0.33	5.02	
24-03-22 14:00	14.62	342015.4	44.2	0.18	0.33	5.01	
24-03-22 15:00	14.62	341634	39.33	0	0.33	5	
24-03-22 16:00	14.66	344117.9	30.42	0	0.33	6.85	
24-03-22 17:00	14.63	345287.5	27.24	0	0.33	6.83	
24-03-22 18:00	14.6	348656.8	27.27	0	0.33	5.97	
24-03-22 19:00	14.63	349911.6	26.58	0	0.33	7.38	
24-03-22 20:00	14.64	349460	26.68	0	0.33	7.41	
24-03-22 21:00	14.69	346078.1	24.62	0	0.34	8.79	
24-03-22 22:00	14.62	350646.3	23.8	0	0.33	7.04	
24-03-22 23:00	14.74	320401.3	16.83	0	0.66	17.68	
25-03-22 0:00	14.77	303783.3	21.61	0	0.34	5.48	
25-03-22 1:00	14.77	304151.5	23.74	0	0.37	6.16	
25-03-22 2:00	14.77	301325.5	23	0	0.52	5.22	
25-03-22 3:00	14.76	301758.1	24.19	0	0.34	4.97	
25-03-22 4:00	14.83	301961	24.38	0.03	0.38	5.79	
25-03-22 5:00	14.86	295953.3	22.85	0.25	1.85	6.29	
25-03-22 6:00	14.85	297590.2	23.18	0.26	0.8	6.16	
25-03-22 7:00	14.88	238611	24.21	0.22	0.75	5.95	
25-03-22 8:00	14.83	312654.2	30.55	0.12	0.34	5.59	
25-03-22 9:00	14.84	320805.1	31.09	0.03	0.34	6.66	
25-03-22 10:00	14.6	358738.4	27.59	0	0.33	7.44	
25-03-22 11:00	14.65	360662.5	26.84	0	0.33	6.54	
25-03-22 12:00	14.65	360552.2	14.51	0	0.33	12.26	
25-03-22 13:00	14.51	360623.4	29.35	0	0.33	4.75	
25-03-22 14:00	14.54	352845.9	31.25	0	0.33	4.64	
25-03-22 15:00	14.55	348595.9	33.16	0.01	0.33	4.72	
25-03-22 16:00	14.62	346837.9	29.13	0.01	0.33	6.19	
25-03-22 17:00	14.65	342894.8	36.32	0	0.33	5.14	
25-03-22 18:00	14.72	339761.3	36.23	0	0.34	5.95	
25-03-22 19:00	14.73	341790.5	34.09	0	0.34	6.45	
25-03-22 20:00	14.74	342436.5	31.63	0.02	0.34	7.11	
25-03-22 21:00	14.74	344743.3	30.8	0.08	0.34	7.98	
25-03-22 22:00	14.77	336825.5	33.69	0.08	0.34	8.77	
25-03-22 23:00	14.85	317636.6	24.96	0.23	0.72	11.39	
26-03-22 0:00	14.85	302276.3	29.83	0.29	0.46	5.63	
26-03-22 1:00	14.85	300751.8	28.02	0.32	0.5	5.74	
26-03-22 2:00	14.86	300170.6	26.64	0.43	0.35	5.79	
26-03-22 3:00	14.88	298091.3	25.28	0.47	0.97	6.39	
26-03-22 4:00	14.87	293145.7	25.22	0.44	1.45	6.12	
26-03-22 5:00	14.91	289257.1	23.9	0.49	2.96	5.98	
26-03-22 6:00	14.96	284153	20.88	0.51	5.9	6.46	
26-03-22 7:00	14.95	281640.5	18.53	0.51	8.45	6.45	
26-03-22 8:00	14.99	290224.6	24.53	0.33	3.92	5.98	
26-03-22 9:00	14.99	296462.5	25.4	0.15	1.18	6.67	
26-03-22 10:00	14.76	347325.3	35	0.02	0.34	7	
26-03-22 11:00	14.75	342286.8	36.79	0	0.34	5.16	
26-03-22 12:00	14.73	341386.1	32.78	0	0.34	5.6	
26-03-22 13:00	14.67	341756.9	36.76	0	0.33	5.22	
26-03-22 14:00	14.63	339190.6	32.51	0	0.33	5.62	
26-03-22 15:00	14.68	337982.2	29.39	0	0.34	5.96	
26-03-22 16:00	14.62	338656.7	35.93	0.02	0.33	5.03	
26-03-22 17:00	14.66	333590.3	40.11	0.01	0.33	5.01	
26-03-22 18:00	14.72	334968.6	37.83	0	0.34	4.89	
26-03-22 19:00	14.74	332174.2	37.16	0	0.34	5.3	
26-03-22 20:00	14.72	329884.4	37.64	0	0.34	4.74	
26-03-22 21:00	14.72	333148.4	34.93	0	0.34	4.91	
26-03-22 22:00	14.73	334220	34.71	0	0.34	4.84	
26-03-22 23:00	14.73	335201.2	30.8	0	0.34	4.84	
27-03-22 0:00	14.74	341117.8	21.65	0	0.47	10.29	
27-03-22 1:00	20.32	25873.09	2.94	4.47	1.63	35.9	
27-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown

27-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 18:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 19:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 20:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 21:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 8:00	15.96	250,829.20	38.75	3.96	7.20	92.89	
28-03-22 9:00	14.84	310,669.80	35.74	0.00	0.34	5.58	
28-03-22 10:00	14.71	354,189.40	31.83	0.00	0.34	6.65	
28-03-22 11:00	14.69	347,862.00	35.36	0.00	0.34	6.19	
28-03-22 12:00	14.65	345,265.30	37.56	0.00	0.33	5.32	
28-03-22 13:00	14.67	337,446.80	38.77	0.00	0.33	5.70	
28-03-22 14:00	14.58	347,368.90	37.19	0.00	0.33	5.34	
28-03-22 15:00	14.68	336,300.50	39.73	0.00	0.34	6.35	
28-03-22 16:00	14.74	337,815.40	32.49	0.04	0.34	10.53	
28-03-22 17:00	14.63	349,075.70	34.42	0.07	0.33	6.58	
28-03-22 18:00	14.68	347139.8	33.53	0.28	0.34	7.78	
28-03-22 19:00	14.7	348886	34.03	0.03	0.34	8.14	
28-03-22 20:00	14.73	349234.4	34.31	0.22	0.34	8.18	
28-03-22 21:00	14.73	350885.4	34.03	0.24	0.34	7.91	
28-03-22 22:00	14.71	352740.4	33.65	0.17	0.34	7.13	
28-03-22 23:00	14.86	320,771.40	25.01	0.23	0.76	13.34	
29-03-22 0:00	14.86	300,216.90	29.15	0.19	0.36	5.65	
29-03-22 1:00	14.86	298,472.60	27.04	0.40	0.45	5.84	
29-03-22 2:00	14.84	300,692.20	26.90	0.48	0.57	5.99	
29-03-22 3:00	14.88	299,078.70	24.88	0.51	0.49	6.01	
29-03-22 4:00	14.86	300,477.70	25.83	0.51	0.62	6.03	
29-03-22 5:00	14.88	296,697.30	23.55	0.48	0.63	6.15	
29-03-22 6:00	14.89	296,893.80	23.99	0.59	1.35	6.26	
29-03-22 7:00	14.91	299,543.10	24.11	0.43	1.69	7.00	
29-03-22 8:00	14.88	313,191.00	34.79	0.42	0.38	6.11	
29-03-22 9:00	14.85	320287.5	38.58	0.44	0.34	5.89	
29-03-22 10:00	14.79	344246.3	29.08	0.26	0.34	11.1	
29-03-22 11:00	14.66	335366.4	33.42	0.18	0.33	5.48	
29-03-22 12:00	14.67	344655.2	38.48	0.06	0.33	5.71	
29-03-22 13:00	14.7	339489.7	37.75	0.04	0.34	6.66	
29-03-22 14:00	14.59	344998	40.37	0.07	0.33	5.67	
29-03-22 15:00	14.6	341098.3	43.67	0.02	0.33	5.42	
29-03-22 16:00	14.6	341481.3	41.7	0	0.33	5.33	
29-03-22 17:00	14.63	348849.8	36.51	0.2	0.33	5.51	
29-03-22 18:00	14.71	347604.9	33.18	0.01	0.34	7.49	
29-03-22 19:00	14.72	345238.7	31.44	0	0.34	9.39	
29-03-22 20:00	14.69	348783.3	29.17	0	0.34	7.91	
29-03-22 21:00	14.7	350475.7	27.58	0	0.34	7.13	
29-03-22 22:00	14.69	353657.5	26.21	0.04	0.34	7.86	
29-03-22 23:00	14.79	322827.7	20.48	0	0.74	10.82	
30-03-22 0:00	14.8	302367.6	27.88	0	0.34	5.3	
30-03-22 1:00	14.79	303516.5	27.61	0	0.4	5.38	
30-03-22 2:00	14.79	301438.5	24.7	0	0.43	5.19	
30-03-22 3:00	14.81	303050.6	27.72	0.09	0.43	5.56	
30-03-22 4:00	14.84	296227.5	24.95	0.39	0.51	5.86	
30-03-22 5:00	14.85	292114.4	25.58	0.45	2.56	5.75	
30-03-22 6:00	14.85	299673.9	28.06	0.46	0.61	5.89	
30-03-22 7:00	14.88	302148.3	28.79	0.5	0.49	5.66	
30-03-22 8:00	14.88	318901.6	34.21	0.04	0.34	5.32	
30-03-22 9:00	14.83	325002	32.13	0	0.34	5.97	
30-03-22 10:00	14.69	346684.6	33.34	0	0.34	8.2	
30-03-22 11:00	14.64	345858.6	35.23	0	0.33	4.6	
30-03-22 12:00	14.6	344672.5	42.03	0	0.33	4.46	
30-03-22 13:00	14.59	343106.5	43.1	0	0.33	4.51	
30-03-22 14:00	14.59	341508.5	43.54	0	0.33	4.63	
30-03-22 15:00	14.62	339638.7	39.59	0	0.33	4.83	
30-03-22 16:00	14.58	341024.7	39.08	0	0.33	4.48	
30-03-22 17:00	14.57	341628.5	36.53	0	0.33	4.12	
30-03-22 18:00	14.61	341123.8	29.45	0	0.33	4.76	
30-03-22 19:00	14.66	340162.8	31.62	0	0.33	5.29	
30-03-22 20:00	14.68	341794.6	32.01	0	0.34	5.06	
30-03-22 21:00	14.68	344716.3	26.52	0	0.34	7.31	
30-03-22 22:00	14.64	348912.5	27.12	0	0.33	5.69	
30-03-22 23:00	14.77	319903.3	21.64	0	0.82	15	

31-03-22 0:00	14.78	306280.1	26.79	0	0.46	5.13	
31-03-22 1:00	14.8	305285.8	25.49	0	0.34	5.12	
31-03-22 2:00	14.81	302473.5	24.78	0	0.46	5.41	
31-03-22 3:00	14.79	303129.4	27.65	0	0.4	5.26	
31-03-22 4:00	14.78	301029	25.07	0	0.53	5.58	
31-03-22 5:00	14.84	298074.4	21.02	0	0.88	5.79	
31-03-22 6:00	14.86	295803.1	20.39	0	1.23	5.99	
31-03-22 7:00	14.89	293809.2	18.7	0	2.53	6.19	
31-03-22 8:00	14.85	312338	24.67	0	0.34	5.44	
31-03-22 9:00	14.9	315180.1	19.25	0	0.35	9.91	
31-03-22 10:00	14.71	345330.6	32.12	0	0.34	7.42	
31-03-22 11:00	14.65	345895.7	40.26	0	0.33	4.17	
31-03-22 12:00	14.62	343751.9	42.36	0	0.33	3.88	
31-03-22 13:00	14.6	342058.5	43.98	0	0.33	3.82	
31-03-22 14:00	14.59	340219.9	43.58	0	0.33	3.85	
31-03-22 15:00	14.59	340528.7	42.6	0	0.33	3.84	
31-03-22 16:00	14.61	342420.5	42.54	0	0.33	4.04	
31-03-22 17:00	14.62	341998.2	40.59	0	0.33	4.19	
31-03-22 18:00	14.66	342896.7	37.6	0	0.33	4.45	
31-03-22 19:00	14.69	343905.9	32.77	0	0.34	4.56	
31-03-22 20:00	14.75	342973.7	32.85	0	0.34	5.21	
31-03-22 21:00	14.76	343801.8	30.02	0	0.34	5.91	
31-03-22 22:00	14.69	350184.6	27.76	0	0.34	4.82	
31-03-22 23:00	14.83	321578.3	22.7	0	0.91	14.74	
Minimum	14.39	25,873.09	2.94	0.00	0.32	3.82	
Maximum	20.32	371,026.40	44.57	5.81	7.20	92.89	
Avg	14.79	325,445.59	29.70	0.29	0.59	8.36	
SUM							
STD			STD = 60.120	STD = 6.20	STD = 28.80	STD = 690	

Site Name: GULF\_NRV1  
Stack Name: HRSX\_STACK1  
Periodically: 01/04/2020 00:00-30/04/2020 23:59

Date & Time	O2	FLOW @1 ATM 25C m3/hr	Emission Concentration for Standardization Comparison				Remark
			HRSX1_NOx@7%O2	HRSX1_SOx@7%O2	HRSX1_Dust@7%O2	HRSX1_CO@7%O2	
	%		ppm	ppm	mg/m3	ppm	
01-04-22 0:00	14.85	305305.9	28.81	0	0.44	5.37	
01-04-22 1:00	14.86	302813	24.24	0	0.53	5.57	
01-04-22 2:00	14.84	303634.8	25.19	0	0.34	5.28	
01-04-22 3:00	14.87	298805	22.43	0	0.73	5.72	
01-04-22 4:00	14.87	298617.2	27.32	0	1.15	5.5	
01-04-22 5:00	14.86	295560.9	24.38	0	1.12	5.5	
01-04-22 6:00	14.89	294396	24.45	0	1.84	5.68	
01-04-22 7:00	14.89	295407.8	23.8	0	1.49	5.4	
01-04-22 8:00	14.85	311537.6	30.48	0	0.37	4.89	
01-04-22 9:00	14.8	339961.7	25.72	0	0.34	15	
01-04-22 10:00	14.68	350327	35.71	0	0.34	4.33	
01-04-22 11:00	14.72	347437	35.43	0	0.34	6.11	
01-04-22 12:00	14.7	347558.5	37.14	0	0.34	4.75	
01-04-22 13:00	14.64	348932.5	35.73	0	0.33	4.37	
01-04-22 14:00	14.65	349403.1	35.66	0	0.33	4.48	
01-04-22 15:00	14.72	348159.5	33.44	0	0.34	7.66	
01-04-22 16:00	14.74	346957.5	30.61	0	0.34	11.68	
01-04-22 17:00	14.7	350855	31.91	0	0.34	7.36	
01-04-22 18:00	14.71	352289.7	32.3	0	0.34	8.28	
01-04-22 19:00	14.72	351945.5	28.46	0	0.72	8.78	
01-04-22 20:00	14.75	352782.5	32.08	0	0.34	8.44	
01-04-22 21:00	14.8	354616.7	32.26	0.11	0.34	8.64	
01-04-22 22:00	14.8	357646.6	32.07	0.26	0.34	5.69	
01-04-22 23:00	14.91	339894.8	31.56	0.47	0.35	1.58	
02-04-22 0:00	15.03	304316.9	33.09	0.23	1.2	6.59	
02-04-22 1:00	14.99	308780.6	35.74	0.25	0.57	5.87	
02-04-22 2:00	15.05	298619.7	28.38	0.33	1.9	7.19	
02-04-22 3:00	15.02	300025.5	30.27	0.38	0.28	5.26	
02-04-22 4:00	15.03	295814.6	27.58	0.47	5.93	6.81	
02-04-22 5:00	15.06	294532.7	26.26	0.47	8.15	7.14	
02-04-22 6:00	15.1	288658.1	23.72	0.5	13.69	9.06	
02-04-22 7:00	15.07	29195.5	25.78	0.49	12.27	0.94	
02-04-22 8:00	15.03	307243.1	33.54	0.4	1.62	5.97	
02-04-22 9:00	15.02	334060.9	28.28	0.64	0.4	24.78	
02-04-22 10:00	14.9	350582	44.11	0.38	0.35	6.15	
02-04-22 11:00	14.89	352208.1	43.59	0.32	0.35	5.25	
02-04-22 12:00	14.84	350837.6	41.56	0	0.34	5.03	
02-04-22 13:00	14.8	354708.8	39.01	0	0.34	4.49	
02-04-22 14:00	14.84	355962.8	42.39	0.01	0.34	5.06	
02-04-22 15:00	14.82	351488.8	42.25	0.19	0.34	5.08	
02-04-22 16:00	14.86	345709.3	46.82	0.28	0.35	5.5	
02-04-22 17:00	14.86	343458.3	45.77	0.18	0.35	5.87	
02-04-22 18:00	14.85	341900.4	47.55	0.18	0.34	5.24	
02-04-22 19:00	14.86	343687.7	45.13	0.15	0.35	4.91	
02-04-22 20:00	14.85	343563.7	46.49	0.19	0.34	4.79	
02-04-22 21:00	14.87	344022.6	47.23	0.21	0.35	4.74	
02-04-22 22:00	14.87	346423.6	47.14	0.19	0.35	1.64	
02-04-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-04-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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03-04-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-04-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-04-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-04-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-04-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-04-22 18:00	15.45	307198.1	31.67	1.8	1.28	12.28	
03-04-22 19:00	14.87	355709.8	34.69	0.03	0.35	18.79	
03-04-22 20:00	14.86	335503.3	44.19	0	0.35	6.6	
03-04-22 21:00	14.85	339855.4	46.96	0	0.34	5.71	
03-04-22 22:00	14.88	335380.9	42.92	0	0.61	10.11	
03-04-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-04-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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04-04-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-04-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-04-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-04-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-04-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-04-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-04-22 8:00	15.4	297559.5	34.99	0.17	2.75	53.82	
04-04-22 9:00	14.97	342018.4	34.09	0	0.35	18.26	
04-04-22 10:00	14.93	355816.8	36.72	0	0.35	10.85	
04-04-22 11:00	14.9	353872.8	38.57	0	0.35	9.37	
04-04-22 12:00	14.85	355648.8	37.0	0	0.34	7.09	
04-04-22 13:00	14.82	352635.6	37.31	0	0.34	7.01	
04-04-22 14:00	14.78	352278.3	37.76	0	0.34	6.78	
04-04-22 15:00	14.77	351200.3	39.23	0	0.34	6.35	
04-04-22 16:00	14.83	348704.3	39.83	0	0.34	7.57	
04-04-22 17:00	14.86	347085.5	41.83	0	0.34	8.99	

04-04-22 18:00	14.87	349730.6	37.93	0	0.35	9.66	
04-04-22 19:00	14.91	347771.8	38.16	0	0.35	12.95	
04-04-22 20:00	14.9	349542.9	35.43	0	0.35	11.96	
04-04-22 21:00	14.88	352993.4	35.01	0	0.35	10.67	
04-04-22 22:00	14.89	352862.2	36.4	0	0.35	11.44	
04-04-22 23:00	14.97	336288.5	30.18	0	0.63	20.26	
05-04-22 0:00	15	306355.2	33.81	0	0.45	6.99	
05-04-22 1:00	14.98	301897.8	32.21	0	0.45	6.96	
05-04-22 2:00	14.97	308446.5	32.64	0	0.55	7.1	
05-04-22 3:00	14.98	304772.1	29.93	0.01	0.44	6.9	
05-04-22 4:00	14.97	303312.6	30.85	0.06	0.46	6.84	
05-04-22 5:00	15.02	296386.2	25.94	0.09	2.45	7.48	
05-04-22 6:00	15	298953.9	20.4	0	0	6.25	
05-04-22 7:00	15.01	302373.3	31.44	0.11	0.61	6.59	
05-04-22 8:00	14.98	316075	36.34	0.15	0.38	6.46	
05-04-22 9:00	14.94	341210.6	30.38	0.16	0.35	15.56	
05-04-22 10:00	14.87	35281.2	36.82	0.12	0.35	9.07	
05-04-22 11:00	14.88	347111.3	40.12	0.04	0.35	9.69	
05-04-22 12:00	14.84	345337.8	41.08	0.11	0.34	7.82	
05-04-22 13:00	14.76	348042.4	42.08	0.03	0.34	5.85	
05-04-22 14:00	14.77	344316.6	43.32	0.01	0.34	6.15	
05-04-22 15:00	14.75	344031.9	40.59	0.06	0.34	6.35	
05-04-22 16:00	14.73	342617.8	39.97	0	0.34	6.33	
05-04-22 17:00	14.75	343399.9	40.68	0	0.34	6.11	
05-04-22 18:00	14.76	342901.4	36.92	0	0.34	7.62	
05-04-22 19:00	14.77	343875.8	36.31	0	0.34	7.62	
05-04-22 20:00	14.75	347772.1	31.51	0	0.34	8.3	
05-04-22 21:00	14.76	349387.3	30.31	0	0.34	7.91	
05-04-22 22:00	14.79	350092.7	32.08	0	0.34	8.94	
05-04-22 23:00	14.87	331744.1	29.11	0.06	0.76	13.64	
06-04-22 0:00	14.93	304612.4	28.8	0.08	0.55	6.43	
06-04-22 1:00	14.91	303337.7	30.35	0	0.35	6.31	
06-04-22 2:00	14.89	308006.1	31.96	0.2	0.4	6.62	
06-04-22 3:00	14.89	301247.9	30.64	0.32	0.48	7.07	
06-04-22 4:00	14.92	294740.9	23.07	0.36	0.98	7.15	
06-04-22 5:00	14.94	295176.8	26.1	0.04	0.49	6.2	
06-04-22 6:00	14.94	296503.1	28.6	0.46	0.86	5.96	
06-04-22 7:00	14.99	296193.3	28.07	0.4	1.5	6.08	
06-04-22 8:00	14.94	307873.7	36.37	0.43	0.35	5.98	
06-04-22 9:00	14.96	335101.2	36.4	0	0.35	6.49	
06-04-22 10:00	14.8	350705.3	35.07	0.18	0.34	8.07	
06-04-22 11:00	14.76	347043.4	36.58	0.28	0.34	7.23	
06-04-22 12:00	14.7	349879.5	38.9	0.22	0.34	5.48	
06-04-22 13:00	14.7	345098.8	43.03	0.09	0.34	5.41	
06-04-22 14:00	14.68	343326	45.09	0.01	0.34	5.48	
06-04-22 15:00	14.7	340977.3	43.7	0	0.34	6.99	
06-04-22 16:00	14.69	343721.7	43.82	0	0.34	5.39	
06-04-22 17:00	14.74	344444.2	38.69	0.05	0.34	6.06	
06-04-22 18:00	14.74	345044.4	36.89	0.05	0.34	7.22	
06-04-22 19:00	14.77	351496.1	34.84	0.11	0.34	6.03	
06-04-22 20:00	14.8	345047.2	30.78	0.19	0.34	6.03	
06-04-22 21:00	14.77	350118.7	34.56	0.33	0.34	9.05	
06-04-22 22:00	14.78	350276.4	32.67	0.36	0.34	9.35	
06-04-22 23:00	14.86	333875	27.24	0.44	0.63	16.36	
07-04-22 0:00	14.86	302275.3	30.7	0	0.34	6.27	
07-04-22 1:00	14.91	299316.4	27.86	0.53	0.44	6.15	
07-04-22 2:00	14.87	304016.6	31.39	0.56	0.51	6.16	
07-04-22 3:00	14.9	301372.1	30.32	0.57	0.35	5.94	
07-04-22 4:00	14.93	297804.9	29.41	0.63	0.65	5.85	
07-04-22 5:00	14.94	296865.5	29.49	0.54	0.81	5.88	
07-04-22 6:00	14.93	302669.3	32.97	0.73	0.63	5.84	
07-04-22 7:00	14.95	302896.3	31.13	0.22	1.14	6.31	
07-04-22 8:00	14.91	313896.7	37.06	0	0.35	5.67	
07-04-22 9:00	14.83	338399.3	36.8	0	0.34	5.4	
07-04-22 10:00	14.79	355824.6	36.93	0.01	0.34	6.61	
07-04-22 11:00	14.82	348073	38.6	0.02	0.34	7.46	
07-04-22 12:00	14.77	347866.4	36.65	0.1	0.34	6.34	
07-04-22 13:00	14.77	348921.1	43.89	0.05	0.34	5.15	
07-04-22 14:00	14.68	348796.2	40.45	0	0.34	5.25	
07-04-22 15:00	14.64	352979	42.77	0	0.33	5	
07-04-22 16:00	14.71	345783.5	45.51	0	0.34	5.39	
07-04-22 17:00	14.72	348902.6	39.09	0	0.34	5.39	
07-04-22 18:00	14.79	345791.7	37.47	0.04	0.34	7.76	
07-04-22 19:00	14.75	352326.5	34.5	0.05	0.34	7.41	
07-04-22 20:00	14.81	348454.7	36.53	0.04	0.34	8.41	
07-04-22 21:00	14.77	354431.7	33.79	0.06	0.34	7.53	
07-04-22 22:00	14.8	353900.2	32.55	0.12	0.34	8.28	
07-04-22 23:00	14.89	334502.4	27.72	0.13	0.64	16.56	
08-04-22 0:00	14.94	302115.1	31.93	0.19	0.38	6.01	
08-04-22 1:00	14.92	302888.7	33.58	0.06	0.38	5.77	
08-04-22 2:00	14.93	301559	32.89	0.06	0.35	5.76	
08-04-22 3:00	14.95	298759.3	30.3	0.04	0.4	5.81	
08-04-22 4:00	14.96	297922.3	30.28	0.06	0.36	5.91	
08-04-22 5:00	14.95	296156.3	31.32	0.04	0.43	5.64	
08-04-22 6:00	14.94	299053.1	33.1	0.09	0.4	5.67	
08-04-22 7:00	15	295240.9	27.6	0.05	2.26	6.5	
08-04-22 8:00	14.97	310887.4	35.83	0	0.38	5.76	
08-04-22 9:00	14.97	331701.1	32.31	0.05	0.35	12.39	
08-04-22 10:00	14.85	353419.3	36.88	0.01	0.34	6.64	
08-04-22 11:00	14.82	352203.6	36.77	0	0.34	5.97	
08-04-22 12:00	14.78	352023.6	37.8	0	0.34	5.61	
08-04-22 13:00	14.79	346063.6	41.13	0	0.34	5.58	
08-04-22 14:00	14.77	345784	41.33	0	0.34	5.34	
08-04-22 15:00	14.79	343489.5	42.3	0.03	0.34	5.56	
08-04-22 16:00	14.82	342938.4	40.66	0.04	0.34	5.96	
08-04-22 17:00	14.78	345419.3	37.81	0	0.34	6.15	
08-04-22 18:00	14.77	348607.3	34.92	0	0.34	6.31	
08-04-22 19:00	14.78	349159.3	32.83	0	0.34	6.08	

08-04-22 20:00	14.81	348091.3	32.33	0	0.34	6.82	
08-04-22 21:00	14.82	348447.2	30.34	0	0.34	7.76	
08-04-22 22:00	14.8	352688	29.61	0	0.34	6.25	
08-04-22 23:00	14.87	328410.6	26.24	0.05	0.68	26.42	
09-04-22 0:00	14.98	297884.9	29.37	0	0.62	7.06	
09-04-22 1:00	14.95	294282.9	28.49	0	1.02	6.83	
09-04-22 2:00	14.92	294925.8	30.22	0.01	0.77	7.22	
09-04-22 3:00	14.91	295556.9	29.87	0.06	1.87	7.31	
09-04-22 4:00	14.9	296095	29.79	0.03	1.41	6.47	
09-04-22 5:00	14.97	290054.6	26.9	0.17	2.94	7.03	
09-04-22 6:00	14.93	296453.9	34.4	0.1	1.38	5.81	
09-04-22 7:00	14.97	294953.2	31.72	0.1	5.83		
09-04-22 8:00	14.98	307632.7	35.46	0.09	0.61	5.97	
09-04-22 9:00	14.95	333789.3	31.07	0.01	0.35	12.41	
09-04-22 10:00	14.83	337043.8	48.01	0.02	0.34	5.13	
09-04-22 11:00	14.83	348119.4	35.67	0	0.34	8.54	
09-04-22 12:00	14.79	348554.6	37.55	0	0.34	8.21	
09-04-22 13:00	14.73	350187.5	37.7	0	0.34	5.16	
09-04-22 14:00	14.75	344750	39.82	0	0.34	5.36	
09-04-22 15:00	14.76	343833.1	41.68	0	0.34	5.39	
09-04-22 16:00	14.78	342044	41.14	0	0.34	5.75	
09-04-22 17:00	14.79	342164.6	38.19	0	0.34	6.52	
09-04-22 18:00	14.78	345474.4	36.55	0.01	0.34	5.88	
09-04-22 19:00	14.83	344291	32.14	0.04	0.34	9.9	
09-04-22 20:00	14.78	349809.9	34.19	0.04	0.34	6.82	
09-04-22 21:00	14.86	343847	31.5	0.07	0.35	12.42	
09-04-22 22:00	14.85	348652.5	32.39	0.07	0.34	9.94	
09-04-22 23:00	17.1	294686.4	37.1	0	5.93	46.37	
10-04-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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10-04-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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10-04-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-04-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-04-22 18:00	15.28	297862.8	42.61	1.1	3.07	44.78	
10-04-22 19:00	14.81	337072.8	37.29	0.42	9.8		
10-04-22 20:00	14.82	338570.8	31.88	0.02	0.34	12.04	
10-04-22 21:00	14.76	346228.3	29.68	0	0.34	10.21	
10-04-22 22:00	14.8	342953.2	29.83	0	0.43	13.37	
10-04-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-04-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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11-04-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-04-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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11-04-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-04-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-04-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-04-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-04-22 9:00	16.52	232.670.30	33.27	4.11	4.50	82.40	
11-04-22 10:00	14.85	348.216.40	39.63	0.00	0.33	7.78	
11-04-22 11:00	14.81	350.058.30	40.53	0.33	0.33	7.42	
11-04-22 12:00	14.80	349.254.90	38.96	0.00	0.33	7.15	
11-04-22 13:00	14.47	366.213.40	28.12	0.00	0.32	6.94	
11-04-22 14:00	14.51	357.056.10	32.24	0.00	0.33	6.93	
11-04-22 15:00	14.47	358.396.60	28.48	0.00	0.32	6.60	
11-04-22 16:00	14.44	358.971.20	27.02	0.00	0.32	6.27	
11-04-22 17:00	14.41	371.622.80	21.31	0.00	0.32	6.69	
11-04-22 18:00	14.44	361953.6	24.83	0	0.32	5.95	
11-04-22 19:00	14.49	358933.8	22.78	0	0.33	7.23	
11-04-22 20:00	14.54	352893.1	29.92	0	0.33	7.14	
11-04-22 21:00	14.59	352103.9	28.92	0	0.33	7.14	
11-04-22 22:00	14.74	319769.9	25.74	0	0.34	13.87	
11-04-22 23:00	16.73	200161.3	18.85	5.56	2.53	39.21	
12-04-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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12-04-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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12-04-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-04-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-04-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-04-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-04-22 18:00	15.14	307124.3	37.75	1.57	3.21	49.82	
12-04-22 19:00	14.61	353832.9	36.15	0.5	0.33	8.42	
12-04-22 20:00	14.68	351121.3	34.65	0.41	0.32	8.2	
12-04-22 21:00	14.66	354257.9	31.57	0.46	0.33	9.48	

12-04-22 22:00	14.78	317594.2	32.51	0.57	0.54	12.73	Shutdown
12-04-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-04-22 18:00	15.28	286446.5	36.43	0.79	3.36	48.4	Shutdown
13-04-22 19:00	14.76	313746.8	34.7	0	0.34	8.35	Shutdown
13-04-22 20:00	14.77	312870	36.57	0.02	0.34	8.75	Shutdown
13-04-22 21:00	14.76	312952.3	36.28	0.21	0.34	9.01	Shutdown
13-04-22 22:00	14.79	314167.8	35.12	0.25	0.47	10.18	Shutdown
13-04-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-04-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-04-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-04-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-04-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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14-04-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-04-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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14-04-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-04-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-04-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-04-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-04-22 18:00	15.31	285472.3	38.81	1.23	3.36	51.15	Shutdown
14-04-22 19:00	14.83	315017.7	33.5	0.2	0.34	9.55	Shutdown
14-04-22 20:00	14.81	313380.8	35.5	0.12	0.34	9.28	Shutdown
14-04-22 21:00	14.8	312358	34.29	0	0.34	9.02	Shutdown
14-04-22 22:00	14.84	315713.8	26.78	0	0.55	15.83	Shutdown
14-04-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
15-04-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
15-04-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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15-04-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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15-04-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
15-04-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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15-04-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
15-04-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
15-04-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
15-04-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
15-04-22 18:00	15.36	281052.3	37.87	0.53	3.42	52.31	Shutdown
15-04-22 19:00	14.77	323835.9	33.21	0	0.34	9.92	Shutdown
15-04-22 20:00	14.76	321284.1	34.09	0	0.34	9.36	Shutdown
15-04-22 21:00	14.77	320703.8	34.43	0	0.34	9.29	Shutdown
15-04-22 22:00	14.83	323351.1	30.69	0	0.51	12.29	Shutdown
15-04-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-04-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-04-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-04-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-04-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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16-04-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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16-04-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-04-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-04-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-04-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-04-22 18:00	15.36	284875.1	35.12	0.95	3.45	52.09	Shutdown
16-04-22 19:00	14.76	318505.8	34.76	0.02	0.34	10.05	Shutdown
16-04-22 20:00	14.8	308576.3	37.39	0.05	0.34	10.22	Shutdown
16-04-22 21:00	14.84	303378.1	34.3	0.3	0.34	10.44	Shutdown
16-04-22 22:00	14.86	313421.4	29.83	0.12	0.47	13.27	Shutdown
16-04-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown

17-04-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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17-04-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-04-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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17-04-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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17-04-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-04-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-04-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-04-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-04-22 18:00	15.4	284606.1	33.52	1.45	5.1	72.42	
17-04-22 19:00	14.75	336289.1	36.43	0	0.34	10.89	
17-04-22 20:00	14.74	332749.5	35.2	0	0.34	10.58	
17-04-22 21:00	14.72	334927.2	35.6	0	0.34	10.21	
17-04-22 22:00	14.72	337165.4	33	0	0.46	13.11	
17-04-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-04-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-04-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-04-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-04-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-04-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-04-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-04-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-04-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-04-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-04-22 9:00	14.87	331070.7	28.86	0.65	0.35	19.03	
18-04-22 10:00	14.77	346853.9	36.74	0.39	0.34	11.76	
18-04-22 11:00	14.76	345647.9	36.34	0.21	0.34	11.03	
18-04-22 12:00	14.72	344040.7	41.81	0.13	0.34	10.66	
18-04-22 13:00	14.7	345242.8	36.7	0.03	0.34	10.49	
18-04-22 14:00	14.68	343314.4	42.38	0.07	0.34	10.45	
18-04-22 15:00	14.66	345127.4	43.71	0.03	0.34	10.03	
18-04-22 16:00	14.71	344653.1	36.41	0.04	0.34	10.98	
18-04-22 17:00	14.79	344311.4	33.03	0.15	0.34	15.01	
18-04-22 18:00	14.82	346172.4	31.01	0.18	0.34	15.57	
18-04-22 19:00	14.93	34425.8	33.41	0.77	0.35	45.09	
18-04-22 20:00	14.81	359235.3	29.47	0.68	0.34	16.85	
18-04-22 21:00	14.85	356357.2	30.02	0.87	0.34	22.7	
18-04-22 22:00	14.89	351558.6	29.72	1.06	0.35	30.56	
18-04-22 23:00	15.03	3221.48	24.08	1.32	3.18	37.47	
18-04-22 0:00	15.22	266371.1	10.18	1.36	7.75	45.87	
18-04-22 1:00	15.91	227997.7	17.72	4.73	9.19	120.57	
18-04-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-04-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-04-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-04-22 5:00	15.24	263009.7	13.56	3.14	6.6	82.76	
18-04-22 6:00	15.26	264805.5	12.82	1.53	6.64	82.16	
18-04-22 7:00	15.04	295653.1	23.36	1.01	3.58	14.59	
18-04-22 8:00	15.02	319077.9	31.29	1.04	0.35	11.91	
18-04-22 9:00	14.95	342213.9	28.58	0.79	0.35	17.35	
18-04-22 10:00	14.89	355550.7	29.39	0.64	0.35	13.13	
18-04-22 11:00	14.83	356518.5	30.7	0.61	0.34	10.65	
18-04-22 12:00	14.82	354498.3	29.55	0.45	0.34	10.88	
18-04-22 13:00	14.76	353876.3	32.1	0.33	0.34	10.54	
18-04-22 14:00	14.74	353290.4	31.97	0	0.34	8.69	
18-04-22 15:00	14.74	351099.1	32.41	0	0.34	10.18	
18-04-22 16:00	14.77	348558.8	32.37	0	0.34	10.92	
18-04-22 17:00	14.81	346025.3	25.86	0	0.34	16.04	
18-04-22 18:00	14.79	350025.5	23.47	0	0.34	15.34	
18-04-22 19:00	14.81	353160.1	23.99	0.03	0.34	15.21	
18-04-22 20:00	14.8	355117	25.03	0.29	0.34		
18-04-22 21:00	14.8	355987.4	26.06	0.36	0.34	13.81	
18-04-22 22:00	14.79	356966.1	27.32	0.4	0.34	12.17	
18-04-22 23:00	14.9	339708.7	27.39	1.13	0.61	57.99	
20-04-22 0:00	14.96	35652	32.1	0.47	0.34	19.39	
20-04-22 1:00	14.94	304175.1	26.46	0.59	0.41	13.33	
20-04-22 2:00	14.92	301705.7	27.59	0.46	0.45	11.03	
20-04-22 3:00	14.91	302358	28.72	0.65	0.54	11.13	
20-04-22 4:00	14.92	302925.5	25.55	0.55	0.93	12.02	
20-04-22 5:00	14.96	296760.1	23.57	0.64	1.67	12.49	
20-04-22 6:00	14.99	296421.9	24.96	0.81	1.84	11.76	
20-04-22 7:00	14.99	298880.3	28.25	0.71	0.88	10.15	
20-04-22 8:00	14.94	314263.6	34.42	0.6	0.4	10.63	
20-04-22 9:00	14.88	344703.5	28.83	0.65	0.35	17.86	
20-04-22 10:00	14.88	352399.4	31.99	0.26	0.34	12.49	
20-04-22 11:00	14.7	358254.3	32.63	0.21	0.34	9.68	
20-04-22 12:00	14.78	345900.8	35.84	0.27	0.34	12.7	
20-04-22 13:00	NoData	NoData	NoData	NoData	NoData	NoData	
20-04-22 14:00	14.68	347641.7	38.36	0	0.34	8.34	
20-04-22 15:00	14.69	345923.8	43.41	0.01	0.34	8.31	
20-04-22 16:00	14.71	344686.5	42.65	0.03	0.34	8.43	
20-04-22 17:00	14.74	344993.7	39.9	0.12	0.34	8.6	
20-04-22 18:00	14.81	341660	34.68	0.27	0.34	13.12	
20-04-22 19:00	14.75	349297.3	34.4	0.4	0.34	10.4	
20-04-22 20:00	14.74	352133.2	32.7	0.4	0.34	8.8	
20-04-22 21:00	14.79	346652	36.36	0.47	0.34	10.51	
20-04-22 22:00	14.77	343107.8	40.88	0.53	0.34	9.05	
20-04-22 23:00	14.89	328194.4	28.15	0.66	0.45	15.38	
21-04-22 0:00	14.9	307458.4	30.65	0.47	0.45	12.47	
21-04-22 1:00	14.95	303885.8	27.82	0.7	0.73	11.35	

21-04-22 2:00	14.93	305765.9	27.9	0.74	0.49	12.43	
21-04-22 3:00	14.92	303265.7	27.04	0.74	0.71	11.13	
21-04-22 4:00	14.94	296180.2	26.27	1.01	2.17	11.68	
21-04-22 5:00	14.88	303831.7	30.76	0.34	0.35	9.36	
21-04-22 6:00	14.91	305726.1	26.13	0.03	0.73	9.9	
21-04-22 7:00	14.94	303663.9	23.27	0	0.73	10.61	
21-04-22 8:00	14.91	315602	29.41	0.01	0.35	8.68	
21-04-22 9:00	14.8	346509.8	30.36		0.34	11.1	
21-04-22 10:00	14.71	353481.5	34.24	0.09	0.34	8.72	
21-04-22 11:00	14.67	351333.9	37	0.02	0.33	7.57	
21-04-22 12:00	14.65	351080.8	36.96	0	0.33	7.6	
21-04-22 13:00	14.67	343187.4	44.61	0.02	0.33	7.4	
21-04-22 14:00	14.65	342644.5	45.37	0.01	0.33	7.34	
21-04-22 15:00	14.66	344177.3	41.74	0	0.33	7.42	
21-04-22 16:00	14.71	341742.5	38.77	0.08	0.34	8.19	
21-04-22 17:00	14.75	329316.7	43.08	0.34	0.34	7.51	
21-04-22 18:00	14.75	328276.9	39.2	0.44	0.34	7.99	
21-04-22 19:00	14.74	352067.8	28.59	0.51	0.34	9.38	
21-04-22 20:00	14.78	349553.3	29.05	0.46	0.34	10.62	
21-04-22 21:00	14.79	342086.6	36.33	0.41	0.34	11.88	
21-04-22 22:00	14.78	336955.3	39.99	0.45	0.34	7.78	
21-04-22 23:00	14.83	324422.6	37.84	0.46	0.34	8.38	
22-04-22 0:00	14.88	307614.8	31.34	0.57	0.47	8.74	
22-04-22 1:00	14.86	3111250	33.83	0.66	0.35	8.18	
22-04-22 2:00	14.87	309312.9	33.62	0.58	0.44	8.27	
22-04-22 3:00	14.87	309423.9	34.53	0.83	0.41	8.42	
22-04-22 4:00	14.9	305705.9	31.53	0.68	0.82	9.57	
22-04-22 5:00	14.9	314980.3	27.54	0.9	0.76	9.1	
22-04-22 6:00	14.97	304042.2	25.39	0.69	0.49	9.54	
22-04-22 7:00	14.99	298942.1	25.29	0.67	2.18	10	
22-04-22 8:00	14.93	312962.4	32.28	0.65	0.35	8.06	
22-04-22 9:00	14.96	327876.8	29.68	0.46	0.35	15.52	
22-04-22 10:00	14.79	345079	38.21	0.15	0.34	7.53	
22-04-22 11:00	14.77	346447.2	39.54	0.18	0.34	7.27	
22-04-22 12:00	14.73	346253.8	38.49	0.14	0.34	7.54	
22-04-22 13:00	14.7	343434.3	46.07	0.07	0.34	6.57	
22-04-22 14:00	14.69	341648.6	46.9	0.05	0.34	6.54	
22-04-22 15:00	14.69	341898.9	46.37	0	0.34	6.55	
22-04-22 16:00	14.72	343042.4	42.54	0.02	0.34	6.81	
22-04-22 17:00	14.73	342928.6	40.83	0.08	0.34	7.02	
22-04-22 18:00	14.76	342388.2	38.37	0.06	0.34	7.76	
22-04-22 19:00	14.8	344345.1	35.26	0.09	0.34	8	
22-04-22 20:00	14.76	349470.8	32.69	0.17	0.34	8.92	
22-04-22 21:00	14.78	351299.5	30.82	0.34	0.34	8.58	
22-04-22 22:00	14.81	350483.4	29.38	0.48	0.34	13.34	
22-04-22 23:00	14.9	329994.9	25.08	0.72	0.62	23.19	
23-04-22 0:00	14.9	301829.2	31.64	0.85	0.48	7.66	
23-04-22 1:00	14.88	297268.2	31.57	0.7	0.52	7.46	
23-04-22 2:00	14.85	297485.8	34.22	0.77	0.42	7.1	
23-04-22 3:00	14.87	296083.4	33	0.84	0.97	7.12	
23-04-22 4:00	14.88	295318.3	32.18	0.89	1.03	7.31	
23-04-22 5:00	14.9	296602.7	31.5	0.9	0.63	8.42	
23-04-22 6:00	14.95	291845.2	27.13	0.97	3.01	8.34	
23-04-22 7:00	14.92	295648.3	29.49	0.54	1.09	7.31	
23-04-22 8:00	14.9	304670.3	30.18	0.01	0.51	7.04	
23-04-22 9:00	14.78	341253.2	28.87	0	0.34	9.83	
23-04-22 10:00	14.69	351214.5	29.96	0.02	0.34	8.24	
23-04-22 11:00	14.62	357876.2	30.51	0.06	0.33	7	
23-04-22 12:00	14.65	350002.7	32.93	0.1	0.33	7.38	
23-04-22 13:00	14.55	360200.1	31.92	0.05	0.33	6.45	
23-04-22 14:00	14.53	360547.1	31.86	0.02	0.33	6.16	
23-04-22 15:00	14.6	348341.6	33.7	0.04	0.33	6.84	
23-04-22 16:00	14.63	349736.9	30.92	0.01	0.33	7.3	
23-04-22 17:00	14.73	344325.2	35.34	0.08	0.34	8.76	
23-04-22 18:00	14.76	341574.6	39.36	0.15	0.34	7.56	
23-04-22 19:00	14.75	341355.6	38.76	0.18	0.34	8.05	
23-04-22 20:00	14.7	347860.9	34.08	0.34	0.34	7.36	
23-04-22 21:00	14.73	347986	31.99	0.26	0.34	8.12	
23-04-22 22:00	14.74	346882	33.96	0.37	0.34	8.41	
23-04-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
24-04-22 18:00	15.21	300464.2	37.22	1.09	2.85	43.21	
24-04-22 19:00	14.79	329130.2	40.44	0.79	0.34	7.93	
24-04-22 20:00	14.8	331442.7	38.86	0.16	0.34	7.98	
24-04-22 21:00	14.78	329468.7	41.06	0.17	0.34	7.81	
24-04-22 22:00	14.9	322263.5	31.82	0.53	0.91	15.12	
24-04-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
25-04-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
25-04-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
25-04-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
25-04-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	

25-04-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-04-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-04-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-04-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-04-22 8:00	15.12	298371.2	32.69	1.36	2.42	39.99	
25-04-22 9:00	14.79	338400.3	33.18	0.41	0.34	10.5	
25-04-22 10:00	14.68	347752.8	33.98	0.08	0.34	8.33	
25-04-22 11:00	14.62	352770.4	34.35	0.01	0.33	7.36	
25-04-22 12:00	14.61	350099.4	34.95	0.01	0.33	7.4	
25-04-22 13:00	14.55	354531.1	34.52	0.01	0.33	7.43	
25-04-22 14:00	14.53	353404.7	35.86	0	0.33	7.36	
25-04-22 15:00	14.52	352323.8	34.68		0.33	7.17	
25-04-22 16:00	14.61	344288.5	34.63	0.01	0.33	8.01	
25-04-22 17:00	14.6	347417.1	34.59	0.04	0.33	7.67	
25-04-22 18:00	14.67	340798.1	34.53	0.01	0.33	8.99	
25-04-22 19:00	14.71	340985.5	44.53	0.1	0.34	8.18	
25-04-22 20:00	14.75	339330.4	39.74	0.18	0.34	8.86	
25-04-22 21:00	14.77	339347.4	39.36	0.16	0.34	8.65	
25-04-22 22:00	14.73	342834.7	38.56	0.24	0.34	8.36	
25-04-22 23:00	14.77	340.607.50	37.92	0.29	0.34	8.96	
26-04-22 0:00	14.71	346.276.50	36.25	0.37	0.34	8.78	
26-04-22 1:00	14.90	303.991.00	27.10	0.60	0.59	17.96	
26-04-22 2:00	14.87	297.983.50	29.46	0.57	0.59	8.43	
26-04-22 3:00	14.97	296.777.50	28.49	0.62	0.99	3.58	
26-04-22 4:00	14.87	298.048.90	28.71	0.69	0.61	8.44	
26-04-22 5:00	14.87	296.831.50	30.85	0.69	1.08	8.24	
26-04-22 6:00	14.89	300.520.80	30.83	0.70	0.54	8.44	
26-04-22 7:00	14.91	301.387.10	30.15	0.49	0.37	8.54	
26-04-22 8:00	14.86	319595.6	37.28	0.27	0.35	7.93	
26-04-22 9:00	14.78	339996	37.43	0.12	0.34	8.23	
26-04-22 10:00	14.72	340684.3	49.1	0.01	0.34	7.56	
26-04-22 11:00	14.72	338442.9	49.03	0	0.34	7.47	
26-04-22 12:00	14.71	334858.9	49.4	0	0.34	7.45	
26-04-22 13:00	14.69	334935.7	49.34	0	0.34	7.4	
26-04-22 14:00	14.67	330717.4	49.02	0	0.33	7.4	
26-04-22 15:00	14.69	330543.9	49.91	0	0.34	7.4	
26-04-22 16:00	14.69	333439.8	48.43	0	0.34	7.35	
26-04-22 17:00	14.67	339142.6	48.15	0.07	0.33	7.33	
26-04-22 18:00	14.71	340459.6	43.66	0.05	0.34	7.74	
26-04-22 19:00	14.77	336943.9	38.87	0.25	0.34	8.65	
26-04-22 20:00	14.77	340135.3	39.75	0.45	0.34	8.47	
26-04-22 21:00	14.71	346162.7	35.41	0.39	0.34	8.94	
26-04-22 22:00	14.74	340946	38.88	0.35	0.34	9.04	
26-04-22 23:00	14.83	333987.9	33.82	0.46	0.64	10.01	
27-04-22 0:00	14.86	299536.6	32.63	0.46	0.41	7.66	
27-04-22 1:00	14.87	298179.8	29.8	0.45	0.55	7.77	
27-04-22 2:00	14.87	298700.3	29.93	0.41	0.58	7.78	
27-04-22 3:00	14.87	298922.6	29.44	0.33	0.78	7.68	
27-04-22 4:00	14.89	292691.8	28.68	0.37	1.54	7.56	



27-04-22 5:00	14.89	292348.7	29.46	0.38	1.77	7.66	
27-04-22 6:00	14.9	294092.3	29.13	0.36	1.36	7.86	
27-04-22 7:00	14.91	296046.5	31.31	0.32	0.87	7.54	
27-04-22 8:00	14.88	309216.3	36.4	0.35	0.48	7.48	
27-04-22 9:00	14.84	332520.8	37.08	0.1	0.34	0.04	
27-04-22 10:00	14.75	341748.2	40.01	0.06	0.34	7.34	
27-04-22 11:00	14.74	336756.2	49.51	0.08	0.34	7.22	
27-04-22 12:00	14.71	331090	48.31	0.09	0.34	7.21	
27-04-22 13:00	14.71	331192.4	48.21	0.09	0.34	7.15	
27-04-22 14:00	14.14	343964	33.53	0.07	0.31	6.87	
27-04-22 15:00	14.46	339464.1	38.93	0	0.32	6.2	
27-04-22 16:00	14.54	330393.1	43.78	0	0.33	6.53	
27-04-22 17:00	14.56	333334.7	44.96	0	0.33	6.6	
27-04-22 18:00	14.55	338303.5	41.8	0	0.33	6.53	
27-04-22 19:00	14.52	343363.8	38.95	0	0.33	6.93	
27-04-22 20:00	14.5	345719	34.58	0	0.33	6.83	
27-04-22 21:00	14.59	340656.9	34.35	0	0.33	7.58	
27-04-22 22:00	14.59	341281.7	36.46	0	0.33	7.23	
27-04-22 23:00	14.63	325085.4	33.57	0.01	0.58	13.54	
28-04-22 0:00	14.66	307307.6	32.55	0	0.48	7.31	
28-04-22 1:00	14.69	306462.8	29.5	0	0.38	7.53	
28-04-22 2:00	14.69	305350.6	27.66	0	0.37	7.52	
28-04-22 3:00	14.71	301900.3	24.44	0	0.35	7.4	
28-04-22 4:00	14.69	302480.5	27.61	0	0.49	7.54	
28-04-22 5:00	14.7	301675.6	29	0	0.37	7.58	
28-04-22 6:00	14.72	299198.1	25.39	0	0.45	7.49	
28-04-22 7:00	14.72	297335	26.44	0	0.54	7.42	
28-04-22 8:00	14.7	311426.7	33.25	0	0.34	6.92	
28-04-22 9:00	14.63	339557.9	33.33	0	0.33	6.85	
28-04-22 10:00	14.52	349530.6	33.21	0	0.33	6.16	
28-04-22 11:00	14.44	357514.9	31.07	0	0.32	6.02	
28-04-22 12:00	14.46	355142.5	31.65	0	0.32	6.05	
28-04-22 13:00	14.43	357540.5	32.29	0	0.32	6.2	
28-04-22 14:00	14.49	345969.3	32.19	0	0.33	6.26	
28-04-22 15:00	16.25	211829.3	38.02	5.36	8.28	162.63	
28-04-22 16:00	14.57	336652.5	28.69	0	0.51	13.31	
28-04-22 17:00	14.55	339930.6	37.03	0	0.33	7.49	
28-04-22 18:00	14.59	344063.5	34.65	0	0.33	9.7	
28-04-22 19:00	14.67	348825.1	25.77	0	0.33	14.07	
28-04-22 20:00	14.63	341113.5	39.48	0	0.34	15.24	
28-04-22 21:00	14.75	330199.5	39.53	1.48	1.41	15.87	
28-04-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
28-04-22 23:00	14.76	324488.1	23.32	0	0.97	28.47	
29-04-22 0:00	14.76	299070.5	27.49	0	0.34	7.4	
29-04-22 1:00	14.75	298364.7	24.93	0	0.62	7.09	
29-04-22 2:00	14.74	301695.5	26.37	0	0.54	6.74	
29-04-22 3:00	14.78	294903.8	24.04	0	2.05	7.5	
29-04-22 4:00	14.78	297719	29.88	0	1.06	7.27	
29-04-22 5:00	14.81	295591.3	30.23	0	1.18	7.18	
29-04-22 6:00	14.79	298438.6	30.49	0	0.45	6.97	
29-04-22 7:00	14.81	298592.3	31.04	0	0.44	7.46	
29-04-22 8:00	14.78	312845.3	33.19	0	0.34	7.15	
29-04-22 9:00	14.71	337191.3	29.59	0	0.34	8.72	
29-04-22 10:00	14.58	354471.3	32.46	0	0.33	7.56	
29-04-22 11:00	14.6	346378.9	38.2	0	0.33	6.65	
29-04-22 12:00	14.54	345613.8	37.42	0	0.33	6.35	
29-04-22 13:00	14.53	342240.3	45.95	0	0.33	6.17	
29-04-22 14:00	14.5	343013.9	45.95	0	0.33	6.08	
29-04-22 15:00	14.52	340937.5	47.19	0	0.33	6.11	
29-04-22 16:00	14.53	339919.2	44.3	0	0.33	6.23	
29-04-22 17:00	14.58	336736.3	39.64	0	0.33	6.64	
29-04-22 18:00	14.59	338235.3	36.99	0	0.33	6.97	
29-04-22 19:00	14.56	343025.3	36.59	0	0.33	7.21	
29-04-22 20:00	14.64	339401.5	29.44	0	0.33	12.8	
29-04-22 21:00	14.62	342962.7	27.82	0	0.33	12.12	
29-04-22 22:00	14.59	337895.4	39.41	0	0.33	6.57	
29-04-22 23:00	14.65	31867.4	35.15	0	0.33	6.53	
30-04-22 0:00	14.7	298723.1	31.72	0	0.43	6.45	
30-04-22 1:00	14.7	295511.7	30.04	0	0.69	6.53	
30-04-22 2:00	14.69	296464.6	32.04	0	0.97	6.42	
30-04-22 3:00	14.72	292803.8	28.07	0	1.03	6.51	
30-04-22 4:00	14.76	287837.4	24.99	0	3.88	7.07	
30-04-22 5:00	14.77	288821.6	24.33	0	2.91	7.12	
30-04-22 6:00	14.82	286378.2	22.11	0	4.62	8.07	
30-04-22 7:00	14.86	284322.3	21.51	0	8.14	8.07	
30-04-22 8:00	14.78	293270.3	27.31	0	1.86	6.64	
30-04-22 9:00	14.69	329357.8	24.02	0	0.55	13.68	
30-04-22 10:00	14.64	341372.7	39.87	0	0.33	6.42	
30-04-22 11:00	14.6	348112.7	38.62	0	0.31	5.98	
30-04-22 12:00	14.59	341142.3	44.2	0	0.33	5.88	
30-04-22 13:00	14.56	341432.4	46.76	0	0.33	5.85	
30-04-22 14:00	14.54	337911	46.73	0	0.33	5.75	
30-04-22 15:00	14.53	338349	46.18	0	0.33	6.71	
30-04-22 16:00	14.55	340175.2	39.14	0	0.33	6.21	
30-04-22 17:00	14.55	338977.7	36.82	0	0.33	5.8	
30-04-22 18:00	14.51	340729.8	31.08	0	0.33	6.63	
30-04-22 19:00	14.53	344353.7	33.24	0	0.33	6.61	
30-04-22 20:00	14.53	346475.6	33.76	0	0.33	6.8	
30-04-22 21:00	14.6	344487.3	31.68	0	0.33	8.73	
30-04-22 22:00	14.68	336153.3	36.37	0	0.75	8.75	
30-04-22 23:00	17.32	181131.6	21.57	5.34	2.53	41.85	
Minimum	14.14	181,131.60	10.18	0.01	0.31	5.00	
Maximum	17.32	371,622.80	49.91	5.93	9.19	162.63	
Avg	14.81	327,968.51	34.06	0.45	0.69	11.25	
STD							
STD = 60, 120							
STD = 6, 20							
STD = 28, 60							
STD = 690							

Site Name: GULF\_NRV1  
Stack Name: HRSG\_STACK1  
Periodically: 01/05/2020 00:00-31/05/2020 23:59

Date & Time	Q2	FLOW @ 1 ATM 25C m³/hr	Emission Concentration for Standardization Comparison				Remark
			HRSG1_NOx@7%O2	HRSG1_SO2@7%O2	HRSG1_Dust@7%O2	HRSG1_CO@7%O2	
	%		ppm	ppm	mg/m3	ppm	
01-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 18:00	14.63	313969.2	33.9	0.06	0.33	6.6	
01-05-22 19:00	14.56	312003.8	37.56	0	0.33	6.6	
01-05-22 20:00	14.6	311668.2	36.87	0	0.33	6.63	
01-05-22 21:00	14.64	313093.2	35.65	0	0.33	6.61	
01-05-22 22:00	14.68	313983.5	34.51	0.34	0.34	6.57	
01-05-22 23:00	14.56	357907.4	32.49	0	0.33	6.56	
02-05-22 0:00	14.45	386821.2	28.92	0	0.32	6	
02-05-22 1:00	14.46	387364.5	31.76	0	0.32	5.99	
02-05-22 2:00	14.46	386841.1	30.53	0	0.32	6.43	
02-05-22 3:00	14.46	389241.8	30.63	0	0.32	6.1	
02-05-22 4:00	14.43	393352.1	24.51	0	0.32	6.54	
02-05-22 5:00	14.37	399464.8	14.03	0	0.32	12.36	
02-05-22 6:00	14.39	399897.1	15.43	0	0.32	12.29	
02-05-22 7:00	14.41	399572.9	15.24	0	0.32	12.17	
02-05-22 8:00	14.41	400372.2	15.27	0	0.32	11.91	
02-05-22 9:00	14.42	400082	15.25	0	0.32	11.86	
02-05-22 10:00	14.42	398802	14.77	0	0.32	12	
02-05-22 11:00	14.41	399268.4	15	0	0.32	11.92	
02-05-22 12:00	14.41	398497.7	15.36	0	0.32	12	
02-05-22 13:00	14.39	397874.7	17.11	0	0.32	12.07	
02-05-22 14:00	14.38	398995.4	15.11	0	0.32	12.19	
02-05-22 15:00	14.38	398125	15.46	0	0.32	12.26	
02-05-22 16:00	14.38	399223	14.99	0	0.32	12.21	
02-05-22 17:00	14.39	400491.6	15.43	0	0.32	11.95	
02-05-22 18:00	14.4	400872.8	15.42	0	0.32	12.23	
02-05-22 19:00	14.41	400205.9	15.89	0	0.32	11.46	
02-05-22 20:00	14.43	402957.8	15.66	0	0.32	11.91	
02-05-22 21:00	14.45	403685.9	15.38	0	0.32	12.52	
02-05-22 22:00	14.44	403060.2	16.17	0	0.32	12.07	
02-05-22 23:00	14.44	403375.9	16.06	0	0.32	12.06	
03-05-22 0:00	14.43	403014.6	16.43	0	0.32	11.45	
03-05-22 1:00	14.44	403654.6	15.84	0	0.32	11.92	
03-05-22 2:00	14.43	403751.3	15.16	0	0.32	12.08	
03-05-22 3:00	14.44	404533.6	14.84	0	0.32	12.31	
03-05-22 4:00	14.44	404675.8	15.12	0.06	0.32	12.59	
03-05-22 5:00	14.42	405028.5	13.44	0	0.32	12.44	
03-05-22 6:00	14.42	405677	11.85	0	0.32	12.71	
03-05-22 7:00	14.48	396961.7	15.32	0	0.32	12.61	
03-05-22 8:00	14.72	357537.7	37.38	0	0.34	9.11	
03-05-22 9:00	14.76	348693.3	44.02	0.34	0.34	6.31	
03-05-22 10:00	14.77	347448.4	43.22	0	0.34	6.28	
03-05-22 11:00	14.74	347789.8	42.29	0	0.34	6.31	
03-05-22 12:00	14.76	344402	43.98	0	0.34	6.5	
03-05-22 13:00	14.72	347161.1	42.52	0.34	0.34	6.31	
03-05-22 14:00	14.73	344888.4	38.86	0	0.34	7.17	
03-05-22 15:00	14.74	342954.2	41.34	0	0.34	7.06	
03-05-22 16:00	14.73	342556	41.17	0	0.34	7.09	
03-05-22 17:00	14.73	340860.7	41.84	0.34	0.34	6.94	
03-05-22 18:00	14.75	338764.3	41.57	0	0.34	6.74	
03-05-22 19:00	14.75	341816.4	40.23	0.01	0.34	7.16	
03-05-22 20:00	14.73	346819.8	37.38	0.02	0.34	7.91	
03-05-22 21:00	14.75	344948.2	34.27	0	0.34	7.19	
03-05-22 22:00	14.71	347388.7	34.85	0	0.34	7.4	
03-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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04-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-05-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-05-22 9:00	14.88	346047.4	28.22	0.39	1.26	45.38	
04-05-22 10:00	14.7	345682	47	0	0.34	8.02	
04-05-22 11:00	14.68	346620.7	44.99	0	0.34	7.96	
04-05-22 12:00	14.7	343460.5	47.68	0	0.34	8.34	
04-05-22 13:00	14.67	341844.9	45.98	0	0.33	7.99	
04-05-22 14:00	14.66	339668	44.92	0	0.33	7.86	
04-05-22 15:00	14.67	335006.8	42.92	0	0.33	8.12	
04-05-22 16:00	14.63	338425.8	45.42	0	0.33	7.62	
04-05-22 17:00	14.68	335942.6	43.05	0	0.33	7.93	



12-05-22 22:00	14.59	348981.6	29.46	0	0.33	9.32	Shutdown
12-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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13-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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13-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-05-22 8:00	14.71	338668.8	31.22	0.14	1.08	17.69	
13-05-22 9:00	14.57	348702.8	33.15	0	0.33	8.82	
13-05-22 10:00	14.5	345591	37.17	0	0.33	8.94	
13-05-22 11:00	14.54	350250.2	38.85	0	0.33	8.36	
13-05-22 12:00	14.58	337248.3	41.48	0	0.33	8.42	
13-05-22 13:00	14.56	339600.6	43.01	0	0.33	8.32	
13-05-22 14:00	14.56	337507.1	43.05	0	0.33	8.23	
13-05-22 15:00	14.52	343836	37.22	0	0.33	8.21	
13-05-22 16:00	14.55	341054.1	42.66	0	0.33	8.31	
13-05-22 17:00	14.58	339655.6	43.85	0.02	0.33	8.31	
13-05-22 18:00	14.56	341497.8	40.18	0	0.33	8.1	
13-05-22 19:00	14.57	342513.3	32.5	0	0.33	9.04	
13-05-22 20:00	14.58	344999.3	29.62	0	0.33	10.18	
13-05-22 21:00	14.59	345167.3	30.42	0	0.33	9.3	
13-05-22 22:00	14.6	346418.7	29.94	0	0.33	9.97	
13-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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14-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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14-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-05-22 8:00	14.73	337535.3	32.16	0.15	1.08	19.13	
14-05-22 9:00	14.59	34786.8	36.11	0	0.33	8.74	
14-05-22 10:00	14.62	347579.3	33.67	0	0.33	8.44	
14-05-22 11:00	14.52	354252.3	29.16	0	0.33	7.73	
14-05-22 12:00	14.53	348680.1	31.82	0	0.33	7.69	
14-05-22 13:00	14.52	346765.8	36.54	0	0.33	7.84	
14-05-22 14:00	14.46	353760.3	29.97	0	0.32	7.55	
14-05-22 15:00	14.58	345030.6	34.01	0	0.33	8.25	
14-05-22 16:00	14.61	343289.8	36.86	0	0.33	8.4	
14-05-22 17:00	14.58	344581.2	32.85	0	0.33	8.78	
14-05-22 18:00	14.59	344413.4	30.93	0	0.33	8.8	
14-05-22 19:00	14.61	345542.6	28.04	0	0.33	9.29	
14-05-22 20:00	14.64	345848.8	29.82	0	0.33	9.84	
14-05-22 21:00	14.67	344006.6	28.81	0	0.33	11.78	
14-05-22 22:00	14.61	349135.2	31.77	0	0.33	8.18	
14-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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15-05-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
15-05-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
15-05-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
15-05-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
15-05-22 18:00	14.78	314616.3	29.52	0.06	1.15	19.3	
15-05-22 19:00	14.67	315555.5	36.95	0	0.33	8.26	
15-05-22 20:00	14.67	315431.3	36.42	0	0.33	8.22	
15-05-22 21:00	14.67	314649.1	37.12	0	0.33	8.3	
15-05-22 22:00	14.68	314842.6	35.38	0	0.34	8.33	
15-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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16-05-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 18:00	14.71	327409.1	33.19	0.01	0.33	17.88	
16-05-22 19:00	14.62	327227.3	34.38	0	0.33	8.56	
16-05-22 20:00	14.62	329434.6	36.91	0	0.33	8.31	
16-05-22 21:00	14.65	329349.2	31.86	0	0.33	8.35	
16-05-22 22:00	14.62	331786.9	32.72	0	0.33	8.08	
16-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown

17-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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17-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-05-22 8:00	14.67	349857.5	30.21	0.07	1.19	14.46	
17-05-22 9:00	14.56	361067.6	28.33	0	0.33	9.36	
17-05-22 10:00	14.57	354368.9	28.14	0	0.33	10.56	
17-05-22 11:00	14.59	347843.8	32.89	0	0.33	9.52	
17-05-22 12:00	14.6	344154.6	33.77	0	0.33	9.41	
17-05-22 13:00	14.59	344464.6	32.96	0	0.33	9.08	
17-05-22 14:00	14.55	345713.3	36.25	0	0.33	8.85	
17-05-22 15:00	14.56	344248.4	33.87	0	0.33	8.86	
17-05-22 16:00	14.55	341273.1	32.95	0	0.33	8.99	
17-05-22 17:00	14.58	345113.1	29.29	0	0.33	10.16	
17-05-22 18:00	14.57	356943.2	24.76	0	0.33	9.77	
17-05-22 19:00	14.59	354994.7	25.96	0	0.33	10.89	
17-05-22 20:00	14.59	356052.9	24.96	0	0.33	9.76	
17-05-22 21:00	14.57	359779.1	25.67	0	0.33	9.12	
17-05-22 22:00	14.57	357546.2	26.39	0	0.33	9.08	
17-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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18-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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18-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-05-22 8:00	14.74	338617.7	34.97	0.1	1.9	15.84	
18-05-22 9:00	14.59	357503.5	27.27	0	0.33	9.04	
18-05-22 10:00	14.61	350110.8	28.8	0	0.33	11.03	
18-05-22 11:00	14.55	351487.5	29.42	0.01	0.33	9.22	
18-05-22 12:00	14.53	350031.2	28.76	0	0.33	8.8	
18-05-22 13:00	14.58	341822.1	31.9	0	0.33	8.76	
18-05-22 14:00	14.55	340428.3	31.1	0	0.33	8.44	
18-05-22 15:00	14.57	341250.4	32.89	0	0.33	8.61	
18-05-22 16:00	14.56	342007	30.6	0	0.33	8.81	
18-05-22 17:00	14.58	341108.2	34.22	0	0.33	10.14	
18-05-22 18:00	14.58	336903.4	37.21	0	0.33	8.17	
18-05-22 19:00	14.63	339056.9	36.12	0	0.33	8.29	
18-05-22 20:00	14.62	335467.6	40.74	0	0.33	8.17	
18-05-22 21:00	14.59	338400.3	36.87	0	0.33	7.83	
18-05-22 22:00	14.59	338992.3	35.51	0	0.33	7.7	
18-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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19-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-05-22 8:00	14.65	346094.3	28.23	0	1.04	14.05	
19-05-22 9:00	14.54	353145.8	28.16	0	0.33	8.44	
19-05-22 10:00	14.52	353214.1	25.03	0	0.33	8.16	
19-05-22 11:00	14.54	349940.2	30.16	0	0.33	7.94	
19-05-22 12:00	14.55	347104.3	31.89	0	0.33	7.72	
19-05-22 13:00	14.49	345539.8	33.17	0	0.33	7.38	
19-05-22 14:00	14.49	344911.2	35.82	0	0.33	7.29	
19-05-22 15:00	14.5	340974.5	31.71	0	0.33	7.16	
19-05-22 16:00	14.47	343915.6	26.67	0	0.32	6.98	
19-05-22 17:00	14.5	342957	23.75	0	0.33	7.59	
19-05-22 18:00	14.51	346572.3	23.29	0	0.33	8.09	
19-05-22 19:00	14.52	338144.3	29.81	0	0.33	7.27	
19-05-22 20:00	14.5	337785.8	33.08	0	0.33	7	
19-05-22 21:00	14.52	332603.3	31.67	0	0.33	6.8	
19-05-22 22:00	14.53	330012	30.73	0	0.33	6.57	
19-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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20-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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20-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20-05-22 8:00	14.64	341243.1	25.68	0	1.11	12.18	
20-05-22 9:00	14.57	345167.2	29.35	0	0.33	7.75	
20-05-22 10:00	14.55	345798.6	30.78	0	0.33	7.62	
20-05-22 11:00	14.53	342636.1	29.62	0	0.33	7.36	
20-05-22 12:00	14.49	342988.5	30.12	0	0.33	7.19	
20-05-22 13:00	14.49	342884.6	26.97	0	0.33	7.07	
20-05-22 14:00	14.5	341298.7	27.95	0	0.33	7.15	
20-05-22 15:00	14.48	342012.7	24.7	0	0.32	6.88	
20-05-22 16:00	14.5	341910.3	21.45	0	0.33	7.68	
20-05-22 17:00	14.46	346913.7	18.82	0	0.32	7.9	
20-05-22 18:00	14.46	346954.6	24.53	0	0.32	7.92	
20-05-22 19:00	14.5	347032.8	23.87	0	0.33	8.44	
20-05-22 20:00	14.54	347670.3	21.7	0	0.33	10.26	
20-05-22 21:00	14.57	345622.3	21.82	0	0.33	11.17	
20-05-22 22:00	14.56	347164	23.31	0	0.33	10.22	
20-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown

21-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-05-22 8:00	14.62	342669.6	29.82	0	0.92	12.04	
21-05-22 9:00	14.54	347562.2	30.98	0	0.33	7.22	
21-05-22 10:00	14.51	347738.6	30	0	0.33	7.28	
21-05-22 11:00	14.55	343554.4	35.12	0	0.33	7.14	
21-05-22 12:00	14.49	344342.3	35.6	0	0.33	6.65	
21-05-22 13:00	14.48	344652.3	36.22	0	0.32	6.64	
21-05-22 14:00	14.5	339944.8	36.02	0	0.33	6.61	
21-05-22 15:00	14.53	338528.3	31.7	0	0.33	7.55	
21-05-22 16:00	14.57	342430.8	26.73	0	0.33	11.8	
21-05-22 17:00	14.56	345957.9	27.99	0	0.33	12.15	
21-05-22 18:00	14.47	355927.7	26.88	0	0.32	7.94	
21-05-22 19:00	14.49	353046.3	26.83	0	0.33	9.96	
21-05-22 20:00	14.46	352181.6	30.91	0	0.32	7.29	
21-05-22 21:00	14.52	349697	27.39	0	0.33	8.07	
21-05-22 22:00	14.48	353951.3	26.51	0	0.32	7.81	
21-05-22 23:00	14.39	366304.3	19.2	0	0.32	6.98	
22-05-22 0:00	14.16	397931.6	5.66	0	0.31	6.78	
22-05-22 1:00	14.15	398944.7	4.08	0	0.31	6.4	
22-05-22 2:00	14.14	398750.8	3.39	0	0.31	6.27	
22-05-22 3:00	14.16	398255.9	3.79	0	0.31	6.31	
22-05-22 4:00	14.16	398398.1	3.61	0	0.31	6.2	
22-05-22 5:00	14.16	399109.2	3.94	0	0.31	6.03	
22-05-22 6:00	14.18	399561.4	4.91	0	0.31	6.02	
22-05-22 7:00	14.21	398358.3	5.32	0	0.31	6.03	
22-05-22 8:00	14.2	393940.9	8.64	0	0.31	6.02	
22-05-22 9:00	14.18	397745.7	14.92	0	0.31	6.02	
22-05-22 10:00	14.16	383308.3	20.51	0	0.31	5.61	
22-05-22 11:00	14.18	380606.1	18.54	0	0.31	5.68	
22-05-22 12:00	14.18	376976.6	18.15	0	0.31	5.56	
22-05-22 13:00	14.18	376256.7	17.36	0	0.31	5.31	
22-05-22 14:00	14.17	375841.7	17.23	0	0.31	5.47	
22-05-22 15:00	14.16	379050.2	15.87	0	0.31	5.55	
22-05-22 16:00	14.11	382571.6	21.76	0	0.31	5.5	
22-05-22 17:00	14.14	376911.2	27.16	0	0.31	5.65	
22-05-22 18:00	14.41	344433.3	31.7	0	0.32	5.95	
22-05-22 19:00	14.48	347414.3	26.52	0	0.32	6.47	
22-05-22 20:00	14.55	346019.3	23.13	0	0.33	7.71	
22-05-22 21:00	14.51	339239.3	27.03	0	0.33	5.86	
22-05-22 22:00	14.51	343087.9	28.24	0	0.33	6.15	
22-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 8:00	14.14	322501.09	26.47	0.00	1.16		
23-05-22 9:00	14.60	325790.80	35.89	0.00	0.33	6.45	
23-05-22 10:00	14.61	327616.90	37.07	0.00	0.33	6.55	
23-05-22 11:00	14.63	325068.30	37.57	0.00	0.33	6.64	
23-05-22 12:00	14.62	323509.60	33.70	0.00	0.33	6.37	
23-05-22 13:00	14.59	325392.80	35.10	0.00	0.33	6.13	
23-05-22 14:00	14.56	336471.70	31.88	0.00	0.33	6.25	
23-05-22 15:00	14.56	336036.50	30.85	0.00	0.33	6.29	
23-05-22 16:00	14.54	339287.70	33.47	0.00	0.33	6.11	
23-05-22 17:00	14.60	327130.60	29.34	0.00	0.33	5.88	
23-05-22 18:00	14.57	319282.7	33.72	0	0.33	5.66	
23-05-22 19:00	14.57	319114.9	31.23	0	0.33	5.77	
23-05-22 20:00	14.5	319460.7	28.79	0	0.33	6.04	
23-05-22 21:00	14.6	317536.3	31.21	0	0.33	6.08	
23-05-22 22:00	14.6	317780.9	31.9	0	0.33	5.76	
23-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24-05-22 8:00	14.71	340451.6	27.77	0	1.04		
24-05-22 9:00	14.61	345977.8	29.51	0	0.33	7.41	
24-05-22 10:00	14.64	342803.4	32.04	0	0.33	6.53	
24-05-22 11:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
24-05-22 12:00	14.26	341231.3	42.23	0.5	0.32	14.36	
24-05-22 13:00	14.49	341349.9	41.13	0.06	0.33	7.94	
24-05-22 14:00	14.53	340024.4	37.59	0.06	0.33	8.14	
24-05-22 15:00	14.5	338267.7	42.65	0.03	0.33	7.9	
24-05-22 16:00	14.49	336383.6	42.09	0.07	0.33	8.3	
24-05-22 17:00	14.52	337987.8	37.38	0	0.33	7.91	
24-05-22 18:00	14.53	338073.1	36.12	0	0.33	8.03	
24-05-22 19:00	14.55	337728.9	7.59	0	0.33	7.61	
24-05-22 20:00	14.53	341540.5	33.95	0	0.33	7.61	
24-05-22 21:00	14.55	339247.9	34.53	0	0.33	7.57	
24-05-22 22:00	14.56	336915.4	34.25	0	0.33	7.59	
24-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown

25-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25-05-22 8:00	14.64	341317.1	30.65	0.01	0.84	12.31	
25-05-22 9:00	14.54	349675.6	32.86	0.39	0.33	8.14	
25-05-22 10:00	14.56	343929.8	35.76	0.5	0.33	8.05	
25-05-22 11:00	14.53	346003.4	37.08	0.68	0.33	8.15	
25-05-22 12:00	14.53	338900.9	39.04	0.19	0.33	7.67	
25-05-22 13:00	14.46	340337.3	45.27	0.04	0.32	7.3	
25-05-22 14:00	14.45	342092.3	46.67	0.04	0.32	7.47	
25-05-22 15:00	14.47	338936.3	43.88	0.02	0.32	7.33	
25-05-22 16:00	14.48	341770.9	42.1	0.02	0.32	7.28	
25-05-22 17:00	14.49	339720.1	37.34	0.02	0.33	7.08	
25-05-22 18:00	14.52	337694.8	34.2	0.03	0.33	7.22	
25-05-22 19:00	14.45	344646.6	31.1	0.03	0.32	7.14	
25-05-22 20:00	14.46	347294.8	31.77	0	0.32	7.33	
25-05-22 21:00	14.5	345300.9	29.73	0	0.33	7.9	
25-05-22 22:00	14.51	346862.5	28.79	0	0.33	7.76	
25-05-22 23:00	15.6	26904.9	25.1	5.44	3.16	39.95	
26-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-05-22 8:00	14.64	335723.5	35.31	0.62	0.84	11.6	
26-05-22 9:00	14.56	341765.2	39.79	0.32	0.33	7.54	
26-05-22 10:00	14.53	343486.1	38.4	0.49	0.33	7.63	
26-05-22 11:00	14.53	343021.6	43.7	0.62	0.33	7.72	
26-05-22 12:00	14.51	340217.8	47.68	0.69	0.33	7.57	
26-05-22 13:00	14.46	342302.8	47.29	0.18	0.32	7.19	
26-05-22 14:00	14.45	339944.8	47.44	0.17	0.32	7.09	
26-05-22 15:00	14.46	339639.5	47.06	0.32	0.35	7.16	
26-05-22 16:00	14.47	338235.3	43.35	0.11	0.32	6.98	
26-05-22 17:00	14.45	339256.4	45.43	0.14	0.32	6.86	
26-05-22 18:00	14.5	337424.6	39.31	0.14	0.33	6.95	
26-05-22 19:00	14.47	337788.7	34.81	0.05	0.32	6.86	
26-05-22 20:00	14.47	339290.1	30.51	0.05	0.32	7.44	
26-05-22 21:00	14.48	341446.6	30.81	0.08	0.32	7.34	
26-05-22 22:00	14.48	346364.7	29.38	0.06	0.32	7.43	
26-05-22 23:00	15.61	270298.3	3.88	2.16	39.15		
27-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-05-22 8:00	14.62	338984.6	36.32	2.75	1	13.35	
27-05-22 9:00	14.57	341625.8	40.15	2.38	0.33	8.32	
27-05-22 10:00	14.55	341344.3	43.17	2.34	0.33	8.16	
27-05-22 11:00	14.54	340223.5	48.16	2.29	0.33	8.04	
27-05-22 12:00	14.52	337538.4	50.98	2.36	0.33	7.8	
27-05-22 13:00	14.5	338875.3	52.8	2.42	0.33	7.78	
27-05-22 14:00	14.49	337512.8	51.35	2.48	0.33	7.65	
27-05-22 15:00	14.48	337501.4	48.71	2.52	0.33	7.63	
27-05-22 16:00	14.5	337091.8	47.8	2.6	0.33	7.49	
27-05-22 17:00	14.53	339384.4	41.74	2.61	0.33	7.89	
27-05-22 18:00	14.55	340701.4	38.68	2.64	0.33	8.2	
27-05-22 19:00	14.54	343601.4	37.25	2.61	0.33	8.27	
27-05-22 20:00	14.58	341207.4	38.12	2.53	0.33	8.71	
27-05-22 21:00	14.55	334787.8	44.21	2.41	0.33	7.57	
27-05-22 22:00	14.53	337268.2	47.7	2.39	0.33	7.39	
27-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-05-22 8:00	14.64	33657.4	37.14	2.91	0.87	12.22	
28-05-22 9:00	14.51	345652.6	36.67	2.5	0.33	8.17	
28-05-22 10:00	14.56	341728.3	42.51	2.5	0.33	8	
28-05-22 11:00	14.57	338688	43.9	2.51	0.33	7.99	
28-05-22 12:00	14.59	337040.5	44.14	2.41	0.33	7.81	
28-05-22 13:00	14.56	333960	44.72	2.4	0.33	7.78	
28-05-22 14:00	14.56	333394	44.87	2.47	0.33	7.78	
28-05-22 15:00	14.55	336087.7	42.42	2.58	0.33	7.72	
28-05-22 16:00	14.55	33453.2	44.23	2.63	0.33	7.79	
28-05-22 17:00	14.57	332842.2	41.98	2.58	0.33	7.72	
28-05-22 18:00	14.58	333055.5	39.69	2.49	0.33	7.83	
28-05-22 19:00	14.54	335561.5	40.23	2.55	0.33	6.01	
28-05-22 20:00	14.53	329433.1	41.84	2.63	0.33	7.57	
28-05-22 21:00	14.56	330111.5	41.69	2.55	0.33	7.67	
28-05-22 22:00	14.57	327990.1	44.7	2.49	0.33	7.66	
28-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown

[illegible]

Site Name: GULF\_NRV1  
Stack Name: HRSG\_STACK1  
Periodically: 01/06/2021 00:00-30/06/2021 23:59

Date & Time	O2	FLOW @1 ATM m3/hr	Emission Concentration for Standardization Comparison				HRS01_CO@7%O2	Remark
			HRS01_NOx@7%O2	HRS01_SOx@7%O2	HRS01_Dust (7%O2)	HRS01_CO@7%O2		
			ppm	ppm	mg/m3	ppm		
01-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-06-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-06-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-06-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-06-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
01-06-22 10:00	14.62	337363.3	37.44	1.19	0.92	12.34		
01-06-22 11:00	14.57	342439.3	40.05	0.62	0.33	7.23		
01-06-22 12:00	14.51	342840.4	43.89	0.69	0.33	6.99		
01-06-22 13:00	14.55	340286.1	45.7	1.93	0.33	7.37		
01-06-22 14:00	14.53	338659.1	46.14	2.33	0.33	7.32		
01-06-22 15:00	14.6	342336.9	38.34	2.4	0.33	7.86		
01-06-22 16:00	14.53	336989.1	40.91	2.33	0.33	7.3		
01-06-22 17:00	14.51	337467.3	42.15	2.26	0.33	7.06		
01-06-22 18:00	14.5	338522.6	42.91	2.22	0.33	7.11		
01-06-22 19:00	14.54	336921.1	41.62	2.27	0.33	7.1		
01-06-22 20:00	14.56	337410.4	43.43	2.29	0.33	7.16		
01-06-22 21:00	14.6	335558.6	39.89	2.31	0.38	7.37		
01-06-22 22:00	14.63	338882.7	38.75	2.31	0.79	8.88		
01-06-22 23:00	14.74	300311.5	32.29	2.38	0.5	7.93		
02-06-22 0:00	14.72	299769.8	33.95	2.38	0.43	7.63		
02-06-22 1:00	14.72	298603.6	33.1	2.41	0.75	7.7		
02-06-22 2:00	14.74	296848.6	31.63	2.45	0.41	7.65		
02-06-22 3:00	14.74	295050.9	31.49	2.47	0.34	7.8		
02-06-22 4:00	14.72	297352.1	35.78	2.45	0.49	7.58		
02-06-22 5:00	14.77	291776.9	30.09	2.44	0.24	7.5		
02-06-22 6:00	14.75	300987.3	32.47	2.42	1.16	7.67		
02-06-22 7:00	14.78	304392.1	28.92	2.45	0.45	8.55		
02-06-22 8:00	14.72	312919.7	35.95	2.29	0.34	7.39		
02-06-22 9:00	14.73	318813.1	35.01	2.25	0.34	9.12		
02-06-22 10:00	14.53	347573.6	36.87	2.12	0.33	7.16		
02-06-22 11:00	14.55	343773.4	40.57	2.18	0.33	6.84		
02-06-22 12:00	14.57	339913.5	43.92	2.19	0.33	6.86		
02-06-22 13:00	14.54	341847.7	45.31	2.19	0.33	6.75		
02-06-22 14:00	14.53	340727	45.81	2.23	0.33	6.72		
02-06-22 15:00	14.53	340345.8	47.64	2.27	0.33	6.72		
02-06-22 16:00	14.56	338514	47.42	2.29	0.33	6.74		
02-06-22 17:00	14.53	340499.4	46.26	2.31	0.33	6.67		
02-06-22 18:00	14.56	339927.7	41.31	2.53	0.33	6.75		
02-06-22 19:00	14.6	340146.7	39.26	2.51	0.33	6.75		
02-06-22 20:00	14.59	344018	32.86	2.39	0.33	7.5		
02-06-22 21:00	14.54	348728.4	32.2	2.4	0.33	7.87		
02-06-22 22:00	14.48	355447	32.16	2.23	0.33	7.17		
02-06-22 23:00	14.27	392996.5	14.3	2.06	0.31	6.87		
03-06-22 0:00	14.26	394393.1	14.03	2.15	0.31	6.89		
03-06-22 1:00	14.25	394634.9	14.5	2.14	0.31	7.01		
03-06-22 2:00	14.23	392896.4	14.96	2.07	0.31	7.3		
03-06-22 3:00	14.24	392751.9	15.64	2.11	0.31	7.17		
03-06-22 4:00	14.24	393940.9	15.9	2.12	0.31	7.24		
03-06-22 5:00	14.26	393750.3	16.32	2.09	0.31	6.94		
03-06-22 6:00	14.27	394319.2	16.19	2.08	0.31	7.05		
03-06-22 7:00	14.27	392148.9	18.57	2.08	0.31	7.11		
03-06-22 8:00	14.26	388490.9	21.27	1.96	0.31	6.94		
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03-06-22 10:00	14.28	389067.3	27.01	1.94	0.31	6.62		
03-06-22 11:00	14.29	337571.1	28.13	1.97	0.32	6.52		
03-06-22 12:00	14.28	376319.5	28.55	2.01	0.31	6.37		
03-06-22 13:00	14.26	376953.8	29.13	2.03	0.31	6.19		
03-06-22 14:00	14.24	376581.2	28.67	2.06	0.31	6.18		
03-06-22 15:00	14.25	377400.4	28.25	2.12	0.31	6.22		
03-06-22 16:00	14.25	381388.3	25.4	2.1	0.31	6.36		
03-06-22 17:00	14.22	388109.8	20.03	2.12	0.31	6.55		
03-06-22 18:00	14.42	360215.1	30.07	2.19	0.32	7.17		
03-06-22 19:00	14.55	342799.2	37.86	2.26	0.33	6.65		
03-06-22 20:00	14.53	349468	35.21	2.24	0.33	6.78		
03-06-22 21:00	14.69	334851.6	36.83	2.3	0.95	10.87		
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04-06-22 10:00	14.68	338633.4	38.62	2.54	0.81	11.11		
04-06-22 11:00	14.67	340775.1	40.19	2.29	0.33	7.12		
04-06-22 12:00	14.65	342132.2	40.76	2.27	0.33	6.82		
04-06-22 13:00	14.59	344689.3	40.35	2.26	0.33	6.58		
04-06-22 14:00	14.56	345522.5	38.73	2.27	0.33	6.87		
04-06-22 15:00	14.57	338954.7	38.27	2.28	0.33	6.84		



04-06-22 16:00	14.57	348264.8	34.55	2.27	0.33	7.45	
04-06-22 17:00	14.6	347010.4	34.34	2.31	0.33	8.49	
04-06-22 18:00	14.59	346643.4	37.88	2.29	0.33	6.74	
04-06-22 19:00	14.62	336906.9	46.7	2.34	0.33	6.37	
04-06-22 20:00	14.62	334652.3	46.32	2.42	0.33	6.34	
04-06-22 21:00	14.62	339264.9	47.59	2.47	0.33	6.26	
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05-06-22 20:00	14.59	312985.1	46.65	2.3	0.33	6.79	
05-06-22 21:00	14.69	304323.5	44.82	2.47	0.45	6.29	
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06-06-22 11:00	14.58	344114.7	36.14	2.33	0.33	6.72	
06-06-22 12:00	14.61	339538	44.09	2.34	0.33	6.59	
06-06-22 13:00	14.62	340065.6	29.7	2.38	0.52	6.38	
06-06-22 14:00	14.55	341827.8	39.78	2.46	0.33	6.42	
06-06-22 15:00	14.48	349172.2	38.38	2.41	0.32	6.15	
06-06-22 16:00	14.53	340658.7	46.15	2.43	0.33	6.27	
06-06-22 17:00	14.58	337714.5	45.32	2.47	0.33	6.27	
06-06-22 18:00	14.56	339919.2	45.21	2.4	0.33	6.24	
06-06-22 19:00	14.6	337242.6	37.59	2.5	0.33	6.38	
06-06-22 20:00	14.62	339065.8	38.42	2.43	0.33	6.51	
06-06-22 21:00	14.67	34301.4	38.47	2.54	0.33	6.85	
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07-06-22 11:00	14.6	341284.5	42.8	2.3	0.33	6.42	
07-06-22 12:00	14.6	339722.9	41.08	2.37	0.33	6.33	
07-06-22 13:00	14.61	336956.3	41.91	2.49	0.33	6.31	
07-06-22 14:00	14.59	338801.3	38.98	2.52	0.33	6.25	
07-06-22 15:00	14.59	337834.2	38.9	2.49	0.33	6.2	
07-06-22 16:00	14.59	338744.4	39.69	2.47	0.33	6.24	
07-06-22 17:00	14.62	338499.8	38.17	2.56	0.33	6.33	
07-06-22 18:00	14.57	342547.4	27.3	2.46	0.33	6.31	
07-06-22 19:00	14.58	343611.3	40.49	2.51	0.33	6.2	
07-06-22 20:00	14.65	340684.3	39.98	2.47	0.33	6.61	
07-06-22 21:00	14.7	339745.7	39.2	2.41	0.34	6.64	
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08-06-22 11:00	14.55	350193.3	35.47	2.35	0.33	7.63	
08-06-22 12:00	14.59	347508.2	35.45	2.4	0.33	8.04	
08-06-22 13:00	14.61	341497.8	36.9	2.67	0.33	6.26	
08-06-22 14:00	14.63	337518.3	43.69	2.76	0.33	6.98	
08-06-22 15:00	<Samp	338380.3	<Samp	<Samp	<Samp	<Samp	

08-06-22 16:00	14.4	338616.4	41.59	0.25	0.33	5.69	
08-06-22 17:00	14.68	337009.3	45.91	0.47	0.34	6.07	
08-06-22 18:00	14.69	339418.6	45.27	0.61	0.34	6.04	
08-06-22 19:00	14.69	338317.8	42.95	0.58	0.34	6.23	
08-06-22 20:00	14.7	339725.8	40.12	0.52	0.34	6.74	
08-06-22 21:00	14.7	343964	38.36	0.39	0.34	6.96	
08-06-22 22:00	15.9	261795.5	33.15	4.68	3.3	37.05	
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09-06-22 10:00	14.77	339161	39.04	0.71	0.79	11.72	
09-06-22 11:00	14.62	350398.1	35.97	0.49	0.33	6.8	
09-06-22 12:00	14.6	349138	37.21	0.33	0.33	6.55	
09-06-22 13:00	14.52	357847.7	36.03	0.43	0.33	6.25	
09-06-22 14:00	14.5	359159	35.41	0.54	0.33	6.25	
09-06-22 15:00	14.55	350073.8	38.1	0.58	0.33	6.47	
09-06-22 16:00	14.61	342800.6	42.85	0.63	0.33	6.37	
09-06-22 17:00	14.62	340994.4	50.76	0.61	0.33	6.39	
09-06-22 18:00	14.66	338630.6	43.37	0.66	0.33	6.58	
09-06-22 19:00	14.68	338340.5	39.59	0.66	0.34	6.84	
09-06-22 20:00	14.69	340641.7	38.39	0.63	0.34	7.68	
09-06-22 21:00	14.71	338423	38.23	0.61	0.34	7.73	
09-06-22 22:00	14.74	332222.1	37.03	0.6	0.6	8.37	
09-06-22 23:00	14.83	299895	32.55	0.52	0.44	6.75	
10-06-22 0:00	14.81	299542.3	35.15	0.47	0.45	6.59	
10-06-22 1:00	14.83	298410.2	34.54	0.55	0.19	6.61	
10-06-22 2:00	14.83	297221.2	35.09	0.58	0.52	6.6	
10-06-22 3:00	14.83	295949.8	33.74	0.64	0.88	6.61	
10-06-22 4:00	14.84	294012.7	32.07	0.64	1.21	6.66	
10-06-22 5:00	14.85	294433.7	31.07	0.85	1.34	7.17	
10-06-22 6:00	14.84	296845.8	33.25	0.5	0.9	7.35	
10-06-22 7:00	14.83	299738.6	33.26	0.39	0.46	6.81	
10-06-22 8:00	14.82	311992.4	33.94	0.33	0.34	6.66	
10-06-22 9:00	14.88	316606.1	31.26	0.48	0.35	8.06	
10-06-22 10:00	14.67	345400.4	41.54	0.43	0.33	6.28	
10-06-22 11:00	14.67	339745.7	45.36	0.36	0.33	6.13	
10-06-22 12:00	14.65	340778.2	43.4	0.33	0.33	6.01	
10-06-22 13:00	14.64	340994.4	41.98	0.4	0.33	5.98	
10-06-22 14:00	14.62	337876.9	37.71	0.45	0.33	5.95	
10-06-22 15:00	14.63	335774.8	36.93	0.51	0.33	5.97	
10-06-22 16:00	14.63	337905.3	39.11	0.7	0.33	5.99	
10-06-22 17:00	14.63	337416.1	44.42	0.8	0.33	6	
10-06-22 18:00	14.64	340687.2	44.62	0.78	0.33	5.99	
10-06-22 19:00	14.68	338235.3	41.71	0.65	0.33	6.12	
10-06-22 20:00	14.65	339782.6	40.57	0.58	0.33	6.39	
10-06-22 21:00	14.65	340724.2	38.47	0.61	0.33	6.51	
10-06-22 22:00	15.75	269834.9	35.09	5.89	2.91	32.59	
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11-06-22 10:00	14.62	348621.7	33.99	0.54	0.73	10.8	
11-06-22 11:00	14.53	354513.6	35.11	0.48	0.33	5.95	
11-06-22 12:00	14.59	347020.9	37.98	0.57	0.33	5.98	
11-06-22 13:00	14.53	354394.6	36.3	0.54	0.33	5.88	
11-06-22 14:00	14.57	345514.2	37.26	0.66	0.33	6.05	
11-06-22 15:00	14.6	340644.5	40.96	0.7	0.33	6.02	
11-06-22 16:00	14.6	340297.5	41.19	0.73	0.33	6.19	
11-06-22 17:00	14.64	335954	45.91	0.68	0.33	5.99	
11-06-22 18:00	14.66	334480.6	44	0.74	0.33	6.1	
11-06-22 19:00	14.69	337652.2	38.75	0.72	0.34	6.51	
11-06-22 20:00	14.71	337225.5	36.41	0.56	0.34	6.2	
11-06-22 21:00	14.65	344293.5	36.19	0.49	0.33	6.89	
11-06-22 22:00	14.57	356886.3	31.73	0.45	0.33	6.44	
11-06-22 23:00	14.34	389162.2	24.15	0.43	0.32	6.8	
12-06-22 0:00	14.34	388129.7	24.23	0.43	0.32	7.04	
12-06-22 1:00	14.33	388439.7	23.83	0.41	0.32	6.81	
12-06-22 2:00	14.31	389355.6	23.42	0.29	0.32	6.63	
12-06-22 3:00	14.3	389667.6	20.69	0.3	0.32	7.1	
12-06-22 4:00	14.3	390957	19.01	0.31	0.32	7.18	
12-06-22 5:00	14.3	390857.5	18.74	0.45	0.32	7.24	
12-06-22 6:00	14.33	389042.7	20.43	0.47	0.39	7.81	
12-06-22 7:00	14.32	387410	23.58	0.3	0.32	7.18	
12-06-22 8:00	14.31	383211.6	25.81	0.13	0.32	6.82	
12-06-22 9:00	14.33	378430.1	26.62	0.13	0.32	6.62	
12-06-22 10:00	14.35	375087.9	30.81	0.21	0.32	6.55	
12-06-22 11:00	14.37	373421	32	0.3	0.32	6.42	
12-06-22 12:00	14.37	373748.2	32.45	0.21	0.32	6.03	
12-06-22 13:00	14.36	372707.1	32.43	0.28	0.32	6.01	
12-06-22 14:00	14.35	37250.7	32.37	0.37	0.32	5.96	
12-06-22 15:00	14.34	37753.1	28.88	0.46	0.32	6.17	





27-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-06-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-06-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-06-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-06-22 10:00	14.74	335980.8	40.58	0.95	1.03	14.24	
27-06-22 11:00	14.61	345124.5	42.08	0.61	0.33	6.52	
27-06-22 12:00	14.62	342827.3	43.81	0.47	0.33	6.46	
27-06-22 13:00	14.57	341756.7	45.43	0.44	0.33	6.36	
27-06-22 14:00	14.57	339262.1	43.11	0.39	0.33	6.33	
27-06-22 15:00	14.59	342251.6	40.56	0.37	0.33	6.61	
27-06-22 16:00	14.65	345647.9	34.08	0.59	0.33	8.15	
27-06-22 17:00	14.65	355415.7	33.61	0.79	0.33	7.17	
27-06-22 18:00	14.63	353904.8	33.32	0.87	0.33	8.23	
27-06-22 19:00	14.69	347863.7	34.21	0.89	0.34	7.97	
27-06-22 20:00	14.64	343320.8	39.86	0.85	0.33	7.13	
27-06-22 21:00	14.64	341952.8	41.64	0.93	0.33	6.56	
27-06-22 22:00	15.75	270274.8	32.56	5.87	2.42	43.04	
27-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-06-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-06-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-06-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-06-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-06-22 10:00	14.68	334336	35.58	1.2	1.03	15.38	
28-06-22 11:00	14.53	344541.4	37.39	0.82	0.33	6.48	
28-06-22 12:00	14.55	340320.3	43.79	0.73	0.33	6.4	
28-06-22 13:00	14.53	341091.1	47.86	0.69	0.33	6.33	
28-06-22 14:00	14.56	346909.1	37.1	0.67	0.33	6.79	
28-06-22 15:00	14.57	339256.4	41.6	0.71	0.33	6.67	
28-06-22 16:00	14.56	337373.9	46.34	0.54	0.33	6.42	
28-06-22 17:00	14.55	339715.8	48.96	0.54	0.33	6.24	
28-06-22 18:00	14.62	335951.2	40.97	0.57	0.33	6.46	
28-06-22 19:00	14.64	339273.5	40.25	0.49	0.33	6.72	
28-06-22 20:00	14.66	339756.8	40.41	0.52	0.33	6.8	
28-06-22 21:00	14.71	337893.9	36.9	0.6	0.34	9.2	
28-06-22 22:00	15.8	264219.8	29.12	4.72	2.24	41.5	
28-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-06-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-06-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-06-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-06-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-06-22 10:00	14.65	337218.2	31.16	1.05	1.04	12.64	
29-06-22 11:00	14.49	350936.7	36.34	0.71	0.33	7.59	
29-06-22 12:00	14.45	348643.8	42.07	0.71	0.32	6.26	
29-06-22 13:00	14.43	347880.8	41.87	0.7	0.32	6.16	
29-06-22 14:00	14.42	348466.7	39	0.52	0.32	6.22	
29-06-22 15:00	14.48	342684	40.65	0.63	0.32	6.26	
29-06-22 16:00	14.54	338079	42.99	0.57	0.33	6.55	
29-06-22 17:00	14.57	335338.9	43.86	0.54	0.33	6.32	
29-06-22 18:00	14.6	337336.4	43.47	0.6	0.33	6.33	
29-06-22 19:00	14.61	338870.9	41.28	0.55	0.33	6.38	
29-06-22 20:00	14.63	340917.6	41.56	0.54	0.33	6.41	
29-06-22 21:00	14.67	338752.4	38.53	0.49	0.33	6.73	
29-06-22 22:00	15.63	273581.5	31.94	5.11	2.67	38.07	
29-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-06-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-06-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-06-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-06-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-06-22 10:00	14.58	340413.1	34.09	0.99	0.85	12.74	
30-06-22 11:00	14.47	348503.1	40.41	0.72	0.32	6.57	
30-06-22 12:00	14.42	350470.3	36.5	0.46	0.32	6.07	
30-06-22 13:00	14.37	362136.1	35.93	0.01	0.32	5.74	
30-06-22 14:00	14.43	345676.5	41.53	0.24	0.32	6.14	
30-06-22 15:00	14.44	345940.4	42.63	0.43	0.32	6.1	
30-06-22 16:00	14.46	343769.7	41.22	0.44	0.32	6.04	
30-06-22 17:00	14.5	338470.8	47.83	0.42	0.33	6.06	
30-06-22 18:00	14.58	335266.3	42.65	0.48	0.33	6.4	
30-06-22 19:00	14.6	338390.2	40.86	0.51	0.33	6.58	
30-06-22 20:00	14.65	338301.7	38.27	0.53	0.33	7.33	
30-06-22 21:00	14.64	336383.5	40.27	0.53	0.33	6.77	
30-06-22 22:00	14.67	318547.5	45.21	0.62	0.87	8.32	
30-06-22 23:00	14.78	297218.7	35.48	0.6	0.48	6.89	
Minimum	14.22	251.778.60	14.03	0.01	0.31	4.76	
Maximum	15.90	395.519.50	52.72	5.89	5.00	61.60	
Avg	14.60	341.881.65	36.77	1.18	0.51	8.35	
SUM							
STD		STD = 60.120	STD = 6.20	STD = 28.60	STD = 6.90		



Site Name: GULF\_NRV2  
Stack Name: HRSG\_STACK2  
Periodically: 01/01/2022 00:00-31/01/2022 23:59

Date & Time	O2	Emission Concentration for Standardization Comparison					Remark
		FLOW @ 1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2	
		% m3/hr	ppm	ppm	mg/m3	ppm	
01-01-22 0:00	14.95	388286.8	31.85	0.28	0.35	7.56	
01-01-22 1:00	14.96	388544.9	30.76	0.25	0.35	8.59	
01-01-22 2:00	14.96	389330.6	29.78	0.31	0.35	9.52	
01-01-22 3:00	14.96	389570.4	28.3	0.28	0.35	10.55	
01-01-22 4:00	14.97	389623.6	27.13	0.33	0.35	10.84	
01-01-22 5:00	14.98	390617.8	26.63	0.31	0.35	11.53	
01-01-22 6:00	15	391042.4	25.49	0.3	0.35	12.68	
01-01-22 7:00	15.01	390626.3	25.31	0.24	0.35	12.81	
01-01-22 8:00	14.99	388307.7	29.59	0.23	0.35	9.28	
01-01-22 9:00	14.96	387045.4	31.42	0.22	0.35	7.13	
01-01-22 10:00	14.9	386290.8	29.92	0.18	0.35	6.37	
01-01-22 11:00	14.87	386278.7	29.12	0.14	0.35	6.9	
01-01-22 12:00	14.84	386396	29.75	0.15	0.34	7.9	
01-01-22 13:00	14.78	386899.9	29.08	0.16	0.34	8.78	
01-01-22 14:00	14.73	386184.6	23.72	0.18	0.34	7.1	
01-01-22 15:00	14.71	385341.6	23.63	0.19	0.34	7.03	
01-01-22 16:00	14.72	385473.8	23.34	0.16	0.34	6.98	
01-01-22 17:00	14.84	372180.8	26.61	0.2	0.34	9.91	
01-01-22 18:00	15.15	319675.4	30.94	0.28	0.36	17.79	
01-01-22 19:00	15.12	309891.1	39.16	0.25	0.36	13.2	
01-01-22 20:00	15.17	319778.1	33.1	0.29	0.36	16.5	
01-01-22 21:00	14.86	384632.7	27.82	0.35	0.35	9.16	
01-01-22 22:00	14.86	389.655.00	28.56	0.24	0.34	7.30	
01-01-22 23:00	14.87	388.970.50	29.52	0.25	0.35	6.86	
02-01-22 0:00	14.88	388.518.00	30.34	0.30	0.35	7.00	
02-01-22 1:00	14.89	389.457.00	30.63	0.35	0.35	7.39	
02-01-22 2:00	14.90	389.380.00	31.46	0.35	0.35	8.22	
02-01-22 3:00	14.90	389.889.70	31.19	0.32	0.35	8.66	
02-01-22 4:00	14.91	390.090.70	30.44	0.31	0.35	9.08	
02-01-22 5:00	14.93	390.927.20	28.50	0.36	0.35	9.99	
02-01-22 6:00	14.95	391.138.80	26.78	0.34	0.35	11.26	
02-01-22 7:00	14.95	391.014.60	28.09	0.26	0.35	10.31	
02-01-22 8:00	14.90	393.429.20	30.88	0.22	0.35	7.76	
02-01-22 9:00	14.84	394.725.50	29.51	0.25	0.34	8.38	
02-01-22 10:00	14.79	395.063.60	26.67	0.25	0.34	9.05	
02-01-22 11:00	14.75	394.693.00	20.34	0.20	0.34	7.82	
02-01-22 12:00	14.73	391.178.90	21.90	0.23	0.34	7.54	
02-01-22 13:00	14.71	387.176.80	23.73	0.32	0.34	7.44	
02-01-22 14:00	14.68	383.965.40	23.84	0.34	0.34	7.26	
02-01-22 15:00	14.67	384.226.60	23.47	0.29	0.33	7.10	
02-01-22 16:00	14.67	384.747.30	23.29	0.38	0.33	7.22	
02-01-22 17:00	14.72	38297.5	24.72	0.35	0.34	7.45	
02-01-22 18:00	15.02	336818.7	38.48	0.38	0.35	13.64	
02-01-22 19:00	15.06	332228.7	38.71	0.41	0.36	13.8	
02-01-22 20:00	15.06	340522.2	38.62	0.43	0.36	13.39	
02-01-22 21:00	14.77	392560.4	17.36	0.31	0.34	8.48	
02-01-22 22:00	14.72	398481.8	16.27	0.32	0.34	8.06	
02-01-22 23:00	14.72	399885.8	16.36	0.37	0.34	8.34	
03-01-22 0:00	14.71	401615.1	16.32	0.4	0.34	8.35	
03-01-22 1:00	14.72	401393.1	16.72	0.4	0.34	8.27	
03-01-22 2:00	14.72	402180.5	17.16	0.4	0.34	8.32	
03-01-22 3:00	14.71	402388.4	17.34	0.38	0.34	8.41	
03-01-22 4:00	14.71	403005.5	17.76	0.36	0.34	8.77	
03-01-22 5:00	14.71	403363.7	17.21	0.35	0.34	8.85	
03-01-22 6:00	14.71	404288.9	17.9	0.3	0.34	8.73	
03-01-22 7:00	14.73	404695.2	17.96	0.29	0.34	8.94	
03-01-22 8:00	14.74	402116.8	16.72	0.23	0.34	8.61	
03-01-22 9:00	14.73	400638.4	15.77	0.28	0.34	8.25	
03-01-22 10:00	14.71	396855.8	14.14	0.28	0.34	7.79	
03-01-22 11:00	14.69	394083.1	18.43	0.24	0.34	7.39	
03-01-22 12:00	14.69	392310.3	19.49	0.24	0.34	7.36	
03-01-22 13:00	14.66	389922.4	21.6	0.31	0.34	7.12	
03-01-22 14:00	14.63	382660.4	20.62	0.44	0.33	7.04	
03-01-22 15:00	14.62	382362.5	18.84	0.41	0.33	6.63	
03-01-22 16:00	14.63	382039.9	18.64	0.44	0.33	6.66	
03-01-22 17:00	14.74	372576	21.93	0.51	0.34	9.63	
03-01-22 18:00	14.98	337680.8	36.70	0.37	0.35	13.76	
03-01-22 19:00	15.03	333504.9	38.05	0.63	0.33	13.98	
03-01-22 20:00	15.01	343550.8	33.45	0.52	0.35	14.1	
03-01-22 21:00	14.7	394694.8	15.57	0.51	0.34	8.4	
03-01-22 22:00	14.69	396.280.20	14.17	0.52	0.34	8.50	
03-01-22 23:00	14.69	396.680.40	14.91	0.58	0.34	8.58	
04-01-22 0:00	14.69	397.724.50	15.40	0.62	0.34	8.44	
04-01-22 1:00	14.68	398.950.50	14.15	0.69	0.34	8.45	
04-01-22 2:00	14.66	399.683.80	14.16	0.70	0.33	8.72	
04-01-22 3:00	14.66	400.932.50	14.77	0.72	0.33	8.76	
04-01-22 4:00	14.67	401.364.70	15.84	0.71	0.33	8.87	
04-01-22 5:00	14.68	401.977.20	16.34	0.69	0.34	8.59	
04-01-22 6:00	14.69	402.589.60	16.53	0.67	0.34	8.33	
04-01-22 7:00	14.70	402.806.10	17.24	0.63	0.34	8.36	
04-01-22 8:00	14.85	379.061.80	23.25	0.66	0.65	12.16	
04-01-22 9:00	15.21	306.294.01	23.63	0.55	0.55	18.39	
04-01-22 10:00	15.17	298.400.20	31.97	0.77	0.39	13.98	

04-01-22 11:00	15.18	296.206.20	29.71	0.72	0.43	14.88	
04-01-22 12:00	15.21	290103.1	22.85	0.85	0.99	17.29	
04-01-22 13:00	15.12	322156.5	26.44	0.77	0.51	16.52	
04-01-22 14:00	15.01	333455.3	38.48	0.84	0.35	12.61	
04-01-22 15:00	14.96	333663.3	41.95	0.77	0.35	11.62	
04-01-22 16:00	14.98	333150.3	42.44	0.86	0.35	11.57	
04-01-22 17:00	15	335903.2	41	0.89	0.35	11.47	
04-01-22 18:00	15.01	335469.9	41.01	0.79	0.35	11.59	
04-01-22 19:00	15.04	326818.6	41.75	0.85	0.36	12.96	
04-01-22 20:00	15.06	327305.3	42.54	0.72	0.36	13.31	
04-01-22 21:00	15.05	329721.8	44.22	0.65	0.36	12.96	
04-01-22 22:00	15.17	299611.5	30.67	0.83	0.76	15.07	
04-01-22 23:00	15.19	292.063.70	28.48	0.84	0.75	17.16	
05-01-22 0:00	15.17	289.810.10	31.20	0.82	0.83	16.59	
05-01-22 1:00	15.15	292.661.00	32.41	0.87	0.36	16.14	
05-01-22 2:00	15.16	287.150.20	28.72	0.90	1.51	18.07	
05-01-22 3:00	15.18	282.237.40	24.63	0.90	3.93	22.02	
05-01-22 4:00	15.19	282.454.70	24.42	0.97	3.61	22.01	
05-01-22 5:00	15.21	279.849.80	21.56	0.87	6.47	23.38	
05-01-22 6:00	15.22	282.774.80	23.07	0.95	4.54	21.97	
05-01-22 7:00	15.22	284.321.50	24.62	0.89	2.83	20.86	
05-01-22 8:00	15.17	301.727.70	31.45	0.77	0.44	17.60	
05-01-22 9:00	15.14	311.475.20	33.04	0.81	0.36	17.20	
05-01-22 10:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	
05-01-22 11:00	14.50	313.733.00	32.65	1.37	0.34	35.84	
05-01-22 12:00	15.1	305276.9	26.14	0.91	0.36	18.83	
05-01-22 13:00	15	330583.6	29.21	0.82	0.35	15.28	
05-01-22 14:00	14.91	342391.2	36.62	0.72	0.35	10.85	
05-01-22 15:00	14.87	343995.2	37.55	0.63	0.35	9.85	
05-01-22 16:00	14.94	339193.4	35.38	0.58	0.35	12.13	
05-01-22 17:00	14.99	338070.5	34.03	0.5	0.35	14.01	
05-01-22 18:00	14.95	334480.4	40.51	0.21	0.35	13.33	
05-01-22 19:00	14.95	333977.5	42.36	0.16	0.35	13.03	
05-01-22 20:00	14.99	333780.8	37.3	0.13	0.35	15.3	
05-01-22 21:00	15	336341.9	36.69	0.06	0.35	15.14	
05-01-22 22:00	15.11	304977	26.92	0.15	1.11	17.33	
05-01-22 23:00	15.12	294.838.50	28.21	0.13	0.71	16.70	Shutdown
06-01-22 0:00	15.11	297.289.90	31.11	0.05	0.51	15.65	Shutdown
06-01-22 1:00	15.11	300.429.10	28.42	0.05	0.57	17.99	Shutdown
06-01-22 2:00	15.14	295.282.30	23.25	0.13	0.49	20.07	Shutdown
06-01-22 3:00	15.15	291.543.70	21.56	0.12	0.75	20.63	Shutdown
06-01-22 4:00	15.12	290.553.80	23.80	0.08	1.41	19.95	Shutdown
06-01-22 5:00	15.11	288.377.40	26.39	0.07	1.64	19.33	Shutdown
06-01-22 6:00	15.14	287.193.80	24.86	0.11	1.59	19.87	Shutdown
06-01-22 7:00	15.15	288.641.40	26.34	0.06	0.99	18.62	Shutdown
06-01-22 8:00	15.13	301.547.50	30.78	0.05	0.36	16.22	Shutdown
06-01-22 9:00	15.12	304.053.60	29.11	0.05	0.36	16.81	Shutdown
06-01-22 10:00	15.05	310.953.70	31.64	0.10	0.36	15.80	Shutdown
06-01-22 11:00	15.03	316.101.80	32.00	0.18	0.36	15.68	Shutdown
06-01-22 12:00	15.11	303849.2	26.2	0.23	0.67	19.21	Shutdown
06-01-22 13:00	14.98	329557	27.18	0.19	0.37	16.96	Shutdown
06-01-22 14:00	14.92	338281	36.66	0.28	0.35	13.69	Shutdown
06-01-22 15:00	14.89	340611.3	39.17	0.31	0.35	12.02	Shutdown
06-01-22 16:00	14.94	338687.5	36.84	0.31	0.35	13.44	Shutdown
06-01-22 17:00	15	339234.2	35.65	0.23	0.35	13.96	Shutdown
06-01-22 18:00	15.01	338165.3	36.69	0.36	0.35	14.05	Shutdown
06-01-22 19:00	14.99	337040.5	41.48	0.08	0.35	12.57	Shutdown
06-01-22 20:00	15.01	338598.2	39.2	0.05	0.35	14.35	Shutdown
06-01-22 21:00	15.01	337854.1	40.43	0.01	0.35	13.2	Shutdown
06-01-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-01-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 14:00	14.93	341234.2	35.47	0.32	0.35	14.72	Shutdown
07-01-22 15:00	14.93	338078.9	35.73	0.32	0.35	14.56	Shutdown
07-01-22 16:00	14.92	341144.3	37.35	0.28	0.35	13.01	Shutdown
07-01-22 17:00	14.95	332309	39.81	0.27	0.35	13.76	Shutdown
07-01-22 18:00	14.97	331621.7	40.84	0.29	0.35	13.98	Shutdown
07-01-22 19:00	14.98	333501.7	40.82	0.3	0.35	13.8	Shutdown
07-01-22 20:00	15	334335.5	40.58	0.32	0.35	13.73	Shutdown
07-01-22 21:00	15	334666.7	39.71	0.34	0.35	14.13	Shutdown
07-01-22 22:00	15.13	298993.8	26.2	0.45	1.13	18.82	Shutdown
07-01-22 23:00	15.15	292.792.40	27.87	0.56	0.70	20.25	Shutdown
08-01-22 0:00	15.14	291.695.30	30.41	0.54	0.79	19.18	Shutdown
08-01-22 1:00	15.15	292.436.70	27.95	0.61	0.88	19.53	Shutdown
08-01-22 2:00	15.14	292.706.40	28.71	0.62	0.70	18.97	Shutdown
08-01-22 3:00	15.20	285.150.10	23.58	0.69	2.54	21.37	Shutdown
08-01-22 4:00	15.25	281.155.80	19.40	0.81	2.31	21.35	Shutdown
08-01-22 5:00	15.25	281.456.50	19.36	0.60	5.20	24.12	Shutdown

08-01-22 6:00	15.29	276 079.60	16.96	0.47	7.69	28.98	
08-01-22 7:00	15.31	274 669.30	16.21	0.56	8.23	30.97	
08-01-22 8:00	15.23	285 993.20	24.97	0.47	2.24	23.44	
08-01-22 9:00	15.21	289 011.30	26.51	0.45	1.48	22.09	
08-01-22 10:00	15.19	288 516.50	23.92	0.45	2.66	23.82	
08-01-22 11:00	15.17	289 296.30	24.95	0.46	2.36	22.71	
08-01-22 12:00	15.23	281751.1	18.98	0.52	5.91	28.1	
08-01-22 13:00	15.07	314789.7	25.83	0.43	1.18	17.05	
08-01-22 14:00	14.93	337744.8	37.49	0.42	0.35	13.26	
08-01-22 15:00	14.94	337586.7	34.24	0.42	0.35	14.09	
08-01-22 16:00	14.94	338621.2	35.54	0.36	0.35	13.24	
08-01-22 17:00	14.95	331643.7	41.55	0.22	0.35	13.76	
08-01-22 18:00	14.98	324559.2	41.83	0.19	0.35	14.79	
08-01-22 19:00	15	328971.6	42.86	0.13	0.35	14.5	
08-01-22 20:00	15	334250.8	40.88	0.07	0.35	13.77	
08-01-22 21:00	14.99	338299	39.94	0.02	0.35	12.14	
08-01-22 22:00	14.7	390899.4	16.32	0.01	0.34	6.05	
08-01-22 23:00	14.65	395 651.40	9.92	0.00	0.33	6.07	
09-01-22 0:00	14.65	397 705.70	9.90	0.00	0.33	5.88	
09-01-22 1:00	14.64	399 598.80	9.73	0.00	0.33	6.94	
09-01-22 2:00	14.63	399 675.30	9.98	0.00	0.33	7.43	
09-01-22 3:00	14.61	400 993.90	10.59	0.01	0.33	8.16	
09-01-22 4:00	14.59	402 532.60	10.50	0.00	0.33	6.85	
09-01-22 5:00	14.63	400 485.90	10.96	0.00	0.34	7.29	
09-01-22 6:00	14.73	395 232.30	13.62	0.00	0.34	7.05	
09-01-22 7:00	14.67	393 656.40	14.91	0.00	0.34	7.47	
09-01-22 8:00	14.72	393 656.40	14.11	0.00	0.34	6.71	
09-01-22 9:00	14.70	392 541.40	14.05	0.00	0.34	6.46	
09-01-22 10:00	14.62	392 078.30	15.35	0.00	0.33	6.53	
09-01-22 11:00	14.60	385 621.70	19.88	0.00	0.33	6.46	
09-01-22 12:00	14.61	381946.1	19.46	0	0.33	6.52	
09-01-22 13:00	14.6	378893.8	18.82	0	0.33	6.38	
09-01-22 14:00	14.57	378028.8	18.32	0	0.33	6.31	
09-01-22 15:00	14.56	377167.2	17.99	0	0.33	6.28	
09-01-22 16:00	14.58	378056.3	18.51	0	0.33	6.19	
09-01-22 17:00	14.63	375122	22.47	0	0.33	6.61	
09-01-22 18:00	14.88	341356.6	35.79	0	0.35	11.26	
09-01-22 19:00	14.96	331513.8	37.2	0	0.35	12.64	
09-01-22 20:00	14.98	329595.3	34.96	0	0.35	13.92	
09-01-22 21:00	14.67	388886.6	14.98	0	0.33	6.08	
09-01-22 22:00	14.65	394989.7	10.51	0	0.33	5.45	
09-01-22 23:00	14.66	394 373.20	10.74	0.00	0.33	5.44	
10-01-22 0:00	14.63	397 191.90	8.18	0.00	0.33	6.00	
10-01-22 1:00	14.63	395 943.30	7.72	0.00	0.33	6.50	
10-01-22 2:00	14.61	399 279.50	4.66	0.00	0.33	6.95	
10-01-22 3:00	14.61	399 658.10	8.47	0.00	0.33	7.31	
10-01-22 4:00	14.60	400 837.80	9.28	0.00	0.33	7.30	
10-01-22 5:00	14.60	402 453.00	9.62	0.00	0.33	7.65	
10-01-22 6:00	14.62	403 103.20	10.41	0.00	0.33	6.79	
10-01-22 7:00	14.63	403 261.80	12.97	0.00	0.33	7.68	
10-01-22 8:00	15.02	330 985.40	19.76	0.00	0.93	16.22	
10-01-22 9:00	15.12	302 605.90	27.37	0.00	0.36	16.82	
10-01-22 10:00	15.06	305 859.00	33.03	0.00	0.36	14.27	
10-01-22 11:00	15.02	310 050.30	32.92	0.04	0.35	14.33	
10-01-22 12:00	15.07	302 315.60	27.56	0.29	0.36	16.24	
10-01-22 13:00	14.95	326 953.30	35.12	0.14	0.35	11.16	
10-01-22 14:00	14.92	337 250.20	37.57	0.12	0.35	10.99	
10-01-22 15:00	14.84	342 727.60	40.73	0.16	0.34	8.78	
10-01-22 16:00	14.92	337 260.70	38.96	0.18	0.35	10.73	
10-01-22 17:00	14.97	336897.6	37.1	0.09	0.35	11.32	
10-01-22 18:00	15.04	334797.7	30.55	0.05	0.36	14.28	
10-01-22 19:00	14.99	340669.2	34.32	0.01	0.35	11.77	
10-01-22 20:00	15.02	344442.9	28.15	0	0.35	15.37	
10-01-22 21:00	14.99	348105.5	30.25	0	0.35	13.99	
10-01-22 22:00	14.81	372 772.80	28.14	0.00	0.34	7.42	
10-01-22 23:00	14.77	379 280.30	26.53	0.00	0.34	5.82	
11-01-22 0:00	14.78	377 570.50	26.92	0.00	0.34	5.52	
11-01-22 1:00	14.82	379 462.60	23.66	0.00	0.34	8.05	
11-01-22 2:00	14.83	380 445.50	22.96	0.00	0.34	8.22	
11-01-22 3:00	14.84	379 450.50	23.15	0.00	0.34	9.08	
11-01-22 4:00	14.84	380 372.90	21.97	0.00	0.34	8.84	
11-01-22 5:00	14.84	380 770.80	23.01	0.00	0.34	8.43	
11-01-22 6:00	14.86	380 999.30	20.45	0.00	0.35	11.36	
11-01-22 7:00	14.87	381 897.90	20.10	0.00	0.35	10.80	
11-01-22 8:00	14.80	378 286.20	26.77	0.00	0.34	6.81	
11-01-22 9:00	14.72	378 165.10	25.79	0.00	0.34	5.85	
11-01-22 10:00	14.66	379 731.30	28.38	0.00	0.33	6.61	
11-01-22 11:00	14.63	380 745.00	24.16	0.00	0.33	5.76	
11-01-22 12:00	14.66	378238.9	21.76	0	0.33	5.43	
11-01-22 13:00	14.63	351732	31.02	0	0.34	7.97	
11-01-22 14:00	14.88	336462.3	43.39	0.01	0.35	9.38	
11-01-22 15:00	14.87	336654.8	43.35	0.02	0.35	9.61	
11-01-22 16:00	14.92	336190.5	42.31	0.02	0.35	9.96	
11-01-22 17:00	14.93	338182.7	41.58	0	0.35	10.01	
11-01-22 18:00	14.96	333460.4	40.54	0	0.35	11.31	
11-01-22 19:00	15.01	341516.4	32.1	0	0.35	13.79	
11-01-22 20:00	15.04	338905.8	33.21	0	0.36	14.64	
11-01-22 21:00	15.06	342949.3	30.95	0	0.36	15.24	
11-01-22 22:00	15.12	386162.6	29.28	0	0.77	15.53	
11-01-22 23:00	15.13	301 635.80	29.87	0.00	0.43	15.63	
12-01-22 0:00	15.14	300 290.40	28.70	0.00	0.36	16.05	

12-01-22 1:00	15.13	300.665.30	29.72	0.00	0.73	15.95
12-01-22 2:00	15.12	301.195.10	30.62	0.00	0.38	15.18
12-01-22 3:00	15.18	291.209.70	22.37	0.01	0.81	18.86
12-01-22 4:00	15.16	288.770.30	24.91	0.02	1.76	17.72
12-01-22 5:00	15.17	289.801.80	24.86	0.01	2.63	17.95
12-01-22 6:00	15.17	292.967.90	28.45	0.02	0.42	16.33
12-01-22 7:00	15.21	291.036.80	25.42	0.04	0.95	17.75
12-01-22 8:00	15.15	304.016.80	34.52	0.02	0.36	14.52
12-01-22 9:00	15.11	311.329.70	38.06	0.12	0.36	13.40
12-01-22 10:00	15.07	309.674.30	38.12	0.14	0.36	13.24
12-01-22 11:00	15.06	308.152.20	38.76	0.21	0.36	13.42
12-01-22 12:00	15.09	302383.9	33.5	0.18	0.43	14.21
12-01-22 13:00	14.98	328238.4	31.9	0.37	0.35	12.18
12-01-22 14:00	14.92	337233.1	38.91	0.31	0.35	10.2
12-01-22 15:00	14.91	340325.9	37.53	0.37	0.35	10.12
12-01-22 16:00	14.93	331151.7	38.08	0.43	0.35	11.91
12-01-22 17:00	14.93	330040.8	41.9	0.42	0.35	11.4
12-01-22 18:00	14.96	331941.8	40	0.45	0.35	11.47
12-01-22 19:00	14.98	329721.8	41.64	0.33	0.35	12.08
12-01-22 20:00	14.99	329590	42.34	0.49	0.35	12.43
12-01-22 21:00	15.01	326149.2	42.6	0.58	0.35	12.58
12-01-22 22:00	15.13	302818.3	30.7	0.5	0.7	14.69
12-01-22 23:00	15.15	298.747.80	31.90	0.61	0.60	16.49
13-01-22 0:00	15.16	297.716.70	30.42	0.44	0.38	17.05
13-01-22 1:00	15.13	300.631.10	33.30	0.49	0.48	16.14
13-01-22 2:00	15.15	296.365.00	27.80	0.43	0.71	19.13
13-01-22 3:00	15.15	291.042.70	26.57	0.55	0.45	19.60
13-01-22 4:00	15.13	290.746.00	27.49	0.45	0.83	20.49
13-01-22 5:00	15.14	289.167.80	25.92	0.44	0.83	19.78
13-01-22 6:00	15.15	288.372.20	25.48	0.44	1.84	20.24
13-01-22 7:00	15.18	288.684.90	22.84	0.52	0.35	21.86
13-01-22 8:00	15.12	300.895.30	34.92	0.41	0.36	15.90
13-01-22 9:00	15.08	306.017.70	38.35	0.54	0.36	14.47
13-01-22 10:00	15.04	314.710.70	38.07	0.47	0.36	14.96
13-01-22 11:00	15.01	313.641.00	41.08	0.52	0.35	13.65
13-01-22 12:00	15.07	302744.9	35.13	0.48	0.38	15.22
13-01-22 13:00	14.94	331641.7	37.17	0.43	0.35	10.61
13-01-22 14:00	14.87	342846.1	38.16	0.42	0.35	8.84
13-01-22 15:00	14.91	337572.4	40.62	0.35	0.35	9.93
13-01-22 16:00	14.92	340163.8	42.27	0.25	0.35	9.52
13-01-22 17:00	14.96	340483.1	37.77	0.07	0.35	11.05
13-01-22 18:00	14.96	333595.7	42.29	0.04	0.35	11.18
13-01-22 19:00	14.98	329707.5	42.93	0.06	0.35	12.11
13-01-22 20:00	15.01	328253.4	42.48	0.1	0.35	12.68
13-01-22 21:00	15.03	324936.5	43.37	0.09	0.36	12.62
13-01-22 22:00	15.16	300403.2	30.88	0.02	0.78	16.6
13-01-22 23:00	15.15	299.966.10	32.74	0.03	0.37	16.83
14-01-22 0:00	15.18	296.342.30	30.45	0.01	0.36	17.95
14-01-22 1:00	15.15	300.527.10	35.08	0.02	0.42	16.02
14-01-22 2:00	15.15	299.331.80	33.63	0.01	0.53	16.54
14-01-22 3:00	15.19	291.816.80	25.77	0.01	1.54	20.43
14-01-22 4:00	15.17	292.209.40	28.81	0.01	1.09	18.84
14-01-22 5:00	15.18	292.201.80	28.00	0.01	0.40	18.98
14-01-22 6:00	15.19	292.932.30	29.14	0.01	0.64	18.61
14-01-22 7:00	15.22	290.368.30	25.65	0.03	1.62	20.89
14-01-22 8:00	15.18	304.686.10	31.30	0.03	0.36	18.43
14-01-22 9:00	15.16	311.238.60	30.95	0.03	0.36	19.06
14-01-22 10:00	15.12	312.372.20	31.74	0.10	0.36	18.35
14-01-22 11:00	15.10	311.324.30	32.39	0.13	0.36	18.12
14-01-22 12:00	15.15	306545.5	26.92	0.25	0.36	20.12
14-01-22 13:00	15.02	333274.3	28.72	0.22	0.35	16.7
14-01-22 14:00	14.96	335662.5	33.8	0.29	0.35	12.85
14-01-22 15:00	14.94	335890.2	36.37	0.17	0.35	12.45
14-01-22 16:00	14.92	330290.7	41.67	0.21	0.35	12.81
14-01-22 17:00	14.94	331465	42.33	0.33	0.35	12.45
14-01-22 18:00	14.98	333714.8	37.17	0.31	0.35	13.05
14-01-22 19:00	15.02	333590.7	33.65	0.32	0.35	14.31
14-01-22 20:00	15.01	335777.2	35.87	0.31	0.35	13.63
14-01-22 21:00	15.01	336189.4	37.36	0.34	0.35	13.49
14-01-22 22:00	15.13	306554.9	27.78	0.5	0.7	17.92
14-01-22 23:00	15.14	297729.7	28.65	0.42	0.46	18.23
15-01-22 0:00	15.14	294415.9	29.04	0.54	0.41	17.87
15-01-22 1:00	15.14	298000.7	28.69	0.58	0.4	18.68
15-01-22 2:00	15.13	298457	27.74	0.58	0.4	18.97
15-01-22 3:00	15.14	288995.1	24.78	0.55	0.67	21.12
15-01-22 4:00	15.12	290107.1	26.48	0.54	1.15	19.56
15-01-22 5:00	15.16	283565	21.05	0.55	3.08	23.02
15-01-22 6:00	15.15	283236.4	22.99	0.63	3.65	21.78
15-01-22 7:00	15.19	283843.3	21.88	0.61	3.07	23.71
15-01-22 8:00	15.14	304773.9	29.74	0.51	0.36	19.82
15-01-22 9:00	15.11	313417.7	27.83	0.46	0.36	21.5
15-01-22 10:00	15.07	311139.1	30.07	0.55	0.36	19.05
15-01-22 11:00	15.09	313551.4	35.9	0.61	0.35	15.3
15-01-22 12:00	14.99	305632.3	27.02	0.36	0.36	17.86
15-01-22 13:00	14.95	334188.1	28.61	0.61	0.35	13.57
15-01-22 14:00	14.87	341236.2	43.02	0.58	0.35	9.31
15-01-22 15:00	14.87	338761	41.1	0.55	0.35	9.98
15-01-22 16:00	14.89	339736.1	42.31	0.55	0.35	9.73
15-01-22 17:00	14.95	338343.3	38.24	0.55	0.35	11.14
15-01-22 18:00	14.97	338030.3	39.06	0.29	0.35	11.78
15-01-22 19:00	14.98	328739.7	42.41	0.09	0.35	12.32

15-01-22 20:00	15.01	330709.7	39.42	0.11	0.35	12.46	
15-01-22 21:00	15.01	338158.5	36.04	0.05	0.35	11.93	
15-01-22 22:00	14.72	389064.9	16.45	0.02	0.34	7.37	
15-01-22 23:00	14.67	395 871.10	15.70	0.00	0.33	6.49	
16-01-22 0:00	14.66	397 496.70	15.97	0.01	0.33	7.03	
16-01-22 1:00	14.65	397 849.60	15.87	0.01	0.33	7.28	
16-01-22 2:00	14.64	398 485.10	15.88	0.02	0.33	7.32	
16-01-22 3:00	14.63	398 780.90	16.20	0.03	0.33	7.42	
16-01-22 4:00	14.63	400 067.90	16.53	0.04	0.33	7.61	
16-01-22 5:00	14.64	401 032.80	16.27	0.03	0.33	7.96	
16-01-22 6:00	14.69	397 711.40	19.50	0.04	0.34	9.42	
16-01-22 7:00	14.81	389 421.00	27.45	0.08	0.34	9.32	
16-01-22 8:00	14.79	387 111.50	28.37	0.03	0.34	7.09	
16-01-22 9:00	14.73	387 031.60	26.15	0.03	0.34	7.79	
16-01-22 10:00	14.65	388 439.70	24.50	0.04	0.33	8.38	
16-01-22 11:00	14.61	385 893.90	21.93	0.12	0.33	6.91	
16-01-22 12:00	14.62	384019.5	22.4	0.12	0.33	6.8	
16-01-22 13:00	14.61	382541.3	23.16	0.32	0.33	6.48	
16-01-22 14:00	14.6	380648.8	23.31	0.22	0.33	6.31	
16-01-22 15:00	14.59	379771.4	21.49	0.36	0.33	6.14	
16-01-22 16:00	14.59	379074	21.62	0.24	0.33	6.01	
16-01-22 17:00	14.7	369400.2	25.7	0.36	0.34	7.57	
16-01-22 18:00	15.04	320353.5	29.65	0.53	0.36	14.71	
16-01-22 19:00	15.03	310851.6	34.32	0.51	0.36	13.49	
16-01-22 20:00	15.07	319291	29.98	0.41	0.36	15.39	
16-01-22 21:00	14.74	383200.3	27.65	0.47	0.36	7.41	
16-01-22 22:00	14.73	387218.3	29.55	0.2	0.34	6.7	
16-01-22 23:00	14.75	386340.8	29.01	0.17	0.34	6.11	
17-01-22 0:00	14.76	386197.1	29.22	0.19	0.34	6.08	
17-01-22 1:00	14.77	386192.4	29.88	0.22	0.34	5.83	
17-01-22 2:00	14.77	385376.3	29.38	0.27	0.34	5.84	
17-01-22 3:00	14.76	387373	27.29	0.28	0.34	6.2	
17-01-22 4:00	14.67	395718.5	20.8	0.17	0.33	7.84	
17-01-22 5:00	14.62	400177.3	15.87	0.23	0.33	8.08	
17-01-22 6:00	14.62	400030.9	15.13	0.23	0.33	8.08	
17-01-22 7:00	14.63	402389.2	15.66	0.3	0.33	8.45	
17-01-22 8:00	14.95	355341.8	20.28	0.47	0.35	18.67	
17-01-22 9:00	15.13	305711.6	29.95	0.49	0.36	20.66	
17-01-22 10:00	15.08	305343.9	31.36	0.59	0.36	19.14	
17-01-22 11:00	15.02	308243.6	37.17	0.65	0.36	16.71	
17-01-22 12:00	15.09	302112.5	29.66	0.7	0.46	19.39	
17-01-22 13:00	14.96	331138.3	31.03	0.53	0.35	13.66	
17-01-22 14:00	14.89	341659.4	42.27	0.57	0.35	10.08	
17-01-22 15:00	14.9	340666.5	39.44	0.52	0.35	11.13	
17-01-22 16:00	14.92	339218.4	38.95	0.54	0.35	11.68	
17-01-22 17:00	14.95	338563.5	37.9	0.52	0.35	12.23	
17-01-22 18:00	14.95	331667.7	40.96	0.53	0.35	12.79	
17-01-22 19:00	14.97	331182.8	40.16	0.53	0.35	13.2	
17-01-22 20:00	15	334384.7	38.06	0.5	0.35	13.38	
17-01-22 21:00	15.03	335694.2	37.21	0.85	0.4	12.85	
17-01-22 22:00	15.12	297 207.00	33.93	0.48	0.4	15.94	
17-01-22 23:00	15.12	289 726.10	34.21	0.35	0.39	16.05	
18-01-22 0:00	15.13	289 431.20	34.35	0.35	0.74	16.05	
18-01-22 1:00	15.14	287 863.00	32.99	0.29	1.00	17.33	
18-01-22 2:00	15.14	293 432.40	31.53	0.25	1.00	18.35	
18-01-22 3:00	15.14	287 746.40	30.78	0.33	1.04	18.50	
18-01-22 4:00	15.14	291 672.90	31.95	0.27	0.48	18.23	
18-01-22 5:00	15.19	288 080.00	27.19	0.33	1.23	20.60	
18-01-22 6:00	15.22	287 818.60	24.08	0.33	2.23	22.59	
18-01-22 7:00	15.23	288 007.30	24.11	0.36	3.00	23.41	
18-01-22 8:00	15.13	307 290.50	37.98	0.25	0.36	16.56	
18-01-22 9:00	15.12	312 272.40	37.72	0.33	0.36	17.00	
18-01-22 10:00	15.07	315 852.20	40.12	0.35	0.36	16.14	
18-01-22 11:00	15.06	314 807.70	38.68	0.36	0.36	16.50	
18-01-22 12:00	15.12	305249.2	29.2	0.55	0.36	20.01	
18-01-22 13:00	15.03	329776.1	27.35	0.48	0.36	16.63	
18-01-22 14:00	14.91	343352.4	35.15	0.45	0.35	11.12	
18-01-22 15:00	14.9	342899.7	34.26	0.52	0.35	11.11	
18-01-22 16:00	14.92	338403.2	36.27	0.4	0.35	12.22	
18-01-22 17:00	14.93	332962	40.04	0.5	0.35	12.16	
18-01-22 18:00	14.95	333521.4	39.71	0.52	0.35	12.34	
18-01-22 19:00	14.97	329696.1	39.31	0.57	0.35	13.29	
18-01-22 20:00	14.95	339530.5	39.89	0.6	0.35	11.28	
18-01-22 21:00	15.01	334084.8	35.18	0.6	0.35	14.28	
18-01-22 22:00	15.02	289036.2	23.16	0.82	0.36	16.82	
18-01-22 23:00	15.11	293329.4	32.88	0.81	0.46	18.47	
19-01-22 0:00	15.12	293529.1	31.93	0.85	0.43	19.09	
19-01-22 1:00	15.15	291652.9	30.31	0.84	0.55	20.2	
19-01-22 2:00	15.14	295561	30.85	0.86	0.66	20.03	
19-01-22 3:00	15.19	291189.5	25.88	0.79	0.85	22.51	
19-01-22 4:00	15.2	285848.3	26.4	0.69	2.31	21.76	
19-01-22 5:00	15.2	286018.7	28.36	0.61	3.11	20.65	
19-01-22 6:00	15.21	292398.6	28.99	0.56	0.49	20.19	
19-01-22 7:00	15.25	286904.9	25.67	0.49	3.7	22.46	
19-01-22 8:00	15.19	303413.6	32.99	0.37	0.36	18.6	
19-01-22 9:00	15.18	308162.3	31.16	0.43	0.43	18.53	
19-01-22 10:00	15.13	307851.5	33.45	0.36	0.36	17.75	
19-01-22 11:00	15.13	307173	31.14	0.3	0.36	18.47	
19-01-22 12:00	15.15	300459.7	27.72	0.39	0.47	19.85	
19-01-22 13:00	15.07	328882.8	28.25	0.42	0.39	18.22	
19-01-22 14:00	15.04	326134.2	27.28	0.34	0.36	17.26	

19-01-22 15:00	14.94	327407.9	35.41	0.46	0.35	14.2	
19-01-22 16:00	14.91	333783.2	38.18	0.45	0.35	12.39	
19-01-22 17:00	14.93	331786.9	39.82	0.55	0.35	12.55	
19-01-22 18:00	14.94	327914.7	42.05	0.69	0.35	12.86	
19-01-22 19:00	14.98	333210.7	36.52	0.63	0.35	14.03	
19-01-22 20:00	14.98	336309.8	35.15	0.74	0.35	13.19	
19-01-22 21:00	14.98	337257.8	36.19	0.84	0.35	12.65	
19-01-22 22:00	15.12	304849.6	25.67	0.82	0.66	18.8	
19-01-22 23:00	15.13	298 722.30	27.20	0.94	0.44	19.14	
20-01-22 0:00	15.14	297 342.50	27.62	0.80	0.41	18.95	
20-01-22 1:00	15.11	294 891.60	31.08	0.84	0.48	17.20	
20-01-22 2:00	15.10	292 453.90	30.22	0.78	0.50	17.57	
20-01-22 3:00	15.12	288 488.00	28.67	0.78	0.49	17.71	
20-01-22 4:00	15.13	285 561.10	29.02	0.74	1.23	16.33	
20-01-22 5:00	15.14	282 996.80	28.89	0.67	2.57	16.50	
20-01-22 6:00	15.15	289 014.60	29.69	0.67	1.96	16.93	
20-01-22 7:00	15.17	288 920.30	28.53	0.61	1.14	17.06	
20-01-22 8:00	15.13	306 148.30	32.36	0.56	0.36	15.95	
20-01-22 9:00	15.12	314 511.80	32.65	0.63	0.36	16.88	
20-01-22 10:00	15.07	310 554.70	33.94	0.51	0.36	15.59	
20-01-22 11:00	15.05	309 887.50	33.40	0.64	0.36	15.53	
20-01-22 12:00	15.09	301263.7	27.73	0.66	0.36	17.65	
20-01-22 13:00	14.94	332134.9	30.89	0.76	0.35	12.75	
20-01-22 14:00	14.85	343405.7	35.4	0.6	0.34	9.14	
20-01-22 15:00	14.86	340833.3	36.83	0.74	0.35	9.87	
20-01-22 16:00	14.85	340257.7	38.12	0.77	0.34	9.44	
20-01-22 17:00	14.89	329738.9	40.9	0.6	0.35	11.23	
20-01-22 18:00	14.9	326478.2	42.48	0.69	0.35	11.56	
20-01-22 19:00	14.91	329288.9	41.38	0.71	0.35	11.56	
20-01-22 20:00	14.95	334670.3	37.19	0.76	0.35	11.3	
20-01-22 21:00	14.97	333823.5	37.83	0.59	0.33	11.14	
20-01-22 22:00	15.07	301064.1	29.96	0.72	0.77	15.09	
20-01-22 23:00	15.08	297 844.10	31.16	0.61	0.56	15.33	
21-01-22 0:00	15.09	294 392.90	29.88	0.71	0.97	15.78	
21-01-22 1:00	15.08	297 555.70	30.82	0.71	1.46	15.81	
21-01-22 2:00	15.07	297 665.10	29.71	0.69	0.51	16.16	
21-01-22 3:00	15.10	286 688.80	23.68	0.91	1.91	18.68	
21-01-22 4:00	15.09	284 185.30	26.46	0.79	2.01	17.27	
21-01-22 5:00	15.08	285 029.60	26.94	0.93	1.82	17.09	
21-01-22 6:00	15.10	287 248.30	29.91	0.96	1.96	17.80	
21-01-22 7:00	15.12	286 699.20	26.07	0.93	1.15	17.84	
21-01-22 8:00	15.08	299 765.80	32.75	1.09	0.36	15.63	
21-01-22 9:00	15.07	306 156.80	32.84	1.20	0.36	16.10	
21-01-22 10:00	15.04	308 445.50	36.83	1.39	0.36	14.51	
21-01-22 11:00	15.03	307 474.40	35.80	1.45	0.36	14.90	
21-01-22 12:00	15.09	297798.9	27.34	1.66	0.43	18.02	
21-01-22 13:00	14.96	325532.6	31.11	1.64	0.45	14.24	
21-01-22 14:00	14.85	336476.7	41.24	1.52	0.34	10.49	
21-01-22 15:00	14.87	337649.3	35.93	1.57	0.35	12.79	
21-01-22 16:00	14.84	330619.1				11.51	
21-01-22 17:00	14.84	331268.5	40.32	1.34	0.34	11.42	
21-01-22 18:00	14.87	332427.8	42.08	1.62	0.35	12.08	
21-01-22 19:00	14.9	325106.7	42.6	1.59	0.35	12.92	
21-01-22 20:00	14.94	315648.2	40.45	1.66	0.35	12.99	
21-01-22 21:00	14.96	314848.3	40.47	1.59	0.35	12.86	
21-01-22 22:00	15.08	296942.2	27.17	1.7	0.73	18.21	
21-01-22 23:00	15.11	291 899.60	24.02	1.84	0.79	21.68	
22-01-22 0:00	15.07	292 552.10	27.68	1.77	0.43	19.54	
22-01-22 1:00	15.03	298 330.50	33.94	1.86	0.50	16.64	
22-01-22 2:00	15.08	299 183.70	25.82	2.01	0.40	20.13	
22-01-22 3:00	15.06	289 518.20	26.24	1.96	1.01	18.90	
22-01-22 4:00	15.10	284 251.60	22.31	2.04	3.14	22.49	
22-01-22 5:00	15.13	278 459.20	17.46	2.17	6.39	26.35	
22-01-22 6:00	15.16	277 582.60	15.41	2.19	7.12	28.67	
22-01-22 7:00	15.19	274 193.80	13.73	2.27	7.71	30.53	
22-01-22 8:00	15.24	284 830.50	25.63	2.35	1.82	26.09	
22-01-22 9:00	15.06	289 903.90	30.45	2.09	0.64	17.65	
22-01-22 10:00	15.02	285 522.00	29.71	2.00	1.29	17.42	
22-01-22 11:00	14.99	283 857.40	27.44	1.99	2.68	18.51	
22-01-22 12:00	14.91	286399.7	24.37	1.96	3.04	20.01	
22-01-22 13:00	14.86	313789.7	26.93	1.7	1.74	13.95	
22-01-22 14:00	14.77	341861.5	32.21	1.58	0.34	10.01	
22-01-22 15:00	14.79	337751.2	34.75	1.61	0.34	11.13	
22-01-22 16:00	14.79	334736.5	35.04	1.6	0.34	10.23	
22-01-22 17:00	14.8	332408.8	40.1	1.62	0.34	11.18	
22-01-22 18:00	14.84	336719.2	38.17	1.52	0.34	12.79	
22-01-22 19:00	14.9	335475.1	30.99	1.76	0.35	12.7	
22-01-22 20:00	14.93	336509.5	29.25	1.77	0.35	13.23	
22-01-22 21:00	14.99	331914	25.81	2.06	0.9	20.42	
23-01-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown

23-01-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-01-22 18:00	14.99	330360.9	35.2	2.03	0.98	15.96	
23-01-22 19:00	14.93	339464.8	30.89	1.77	0.35	12.22	
23-01-22 20:00	14.89	349166.2	23.41	1.74	0.35	12.3	
23-01-22 21:00	14.55	382295	14.03	1.57	0.33	6.61	
23-01-22 22:00	14.55	394011.8	12.72	1.67	0.33	6.48	
23-01-22 23:00	14.55	393.323.00	13.24	1.75	0.33	6.56	
24-01-22 0:00	14.52	394.677.20	12.12	1.80	0.33	6.81	
24-01-22 1:00	14.52	395.349.50	12.37	1.89	0.33	6.85	
24-01-22 2:00	14.53	395.175.30	12.60	1.89	0.33	6.89	
24-01-22 3:00	14.52	396.042.20	13.05	1.83	0.33	6.82	
24-01-22 4:00	14.53	396.063.90	12.72	1.86	0.33	6.89	
24-01-22 5:00	14.54	397.305.80	12.93	1.89	0.33	6.91	
24-01-22 6:00	14.54	397.710.60	12.27	1.92	0.33	7.34	
24-01-22 7:00	14.55	397.838.50	12.46	1.97	0.33	7.63	
24-01-22 8:00	15.01	324.996.70	22.36	2.35	0.35	21.45	
24-01-22 9:00	15.01	306.922.40	29.64	2.28	0.35	16.31	
24-01-22 10:00	14.95	308.511.30	31.04	2.16	0.35	16.50	
24-01-22 11:00	14.92	309.549.80	32.42	2.42	0.35	18.11	
24-01-22 12:00	14.99	304.101.80	29.02	2.06	0.35	16.66	
24-01-22 13:00	14.90	331.469.90	28.88	1.97	0.35	13.95	
24-01-22 14:00	14.82	340.453.90	42.51	1.73	0.34	10.02	
24-01-22 15:00	14.75	339.141.00	41.49	0.47	0.34	9.57	
24-01-22 16:00	14.81	339.458.40	39.13	0.48	0.34	10.16	
24-01-22 17:00	14.87	340738.4	35.1	0.33	0.35	10.35	
24-01-22 18:00	14.91	339706.1	33.91	0.23	0.35	11.6	
24-01-22 19:00	14.92	336643.8	37.08	0.16	0.35	12.19	
24-01-22 20:00	14.92	331256.8	40.97	0.3	0.34	12.54	
24-01-22 21:00	14.95	326326.6	42.26	1.18	0.35	13.78	
24-01-22 22:00	15.09	301.728.70	26.46	1.39	0.70	19.67	
24-01-22 23:00	15.08	295.327.90	29.31	1.44	0.44	18.81	
25-01-22 0:00	15.10	293.014.70	25.73	1.52	0.74	22.24	
25-01-22 1:00	15.08	290.013.20	29.38	1.59	0.45	20.43	
25-01-22 2:00	15.10	294.419.10	25.04	1.66	0.38	21.22	
25-01-22 3:00	15.10	289.602.20	26.96	1.59	0.45	19.83	
25-01-22 4:00	15.11	287.248.60	26.42	1.59	0.45	20.03	
25-01-22 5:00	15.12	286.739.50	25.99	1.59	1.33	20.23	
25-01-22 6:00	15.13	289.228.30	27.65	1.58	1.90	20.90	
25-01-22 7:00	15.17	287.154.70	22.77	1.83	2.31	22.71	
25-01-22 8:00	15.13	304.248.60	28.70	1.55	0.36	18.91	
25-01-22 9:00	15.07	308.914.30	30.88	1.48	0.36	17.98	
25-01-22 10:00	15.05	309.775.90	29.72	1.56	0.36	17.83	
25-01-22 11:00	15.17	311.490.50	32.48	1.45	0.35	16.05	
25-01-22 12:00	15.11	303094.9	24.81	1.53	0.46	19.64	
25-01-22 13:00	14.94	332624.5	31.11	1.4	0.35	14.42	
25-01-22 14:00	14.87	337543.7	41.5	1.28	0.35	10.5	
25-01-22 15:00	14.86	336356.1	40.64	1.36	0.35	10.93	
25-01-22 16:00	14.88	338485.8	38.91	1.4	0.35	11.36	
25-01-22 17:00	14.9	338138.1	40.99	1.25	0.35	10.52	
25-01-22 18:00	14.95	337759.1	38.15	1.14	0.35	11.71	
25-01-22 19:00	15	337557.3	34.4	1.06	0.35	12.97	
25-01-22 20:00	15.02	337247.3	33.79	1.01	0.35	13.36	
25-01-22 21:00	14.99	333089.9	37.92	0.85	0.35	13.22	
25-01-22 22:00	15.14	301421	23.43	0.93	1.05	20.37	
25-01-22 23:00	15.14	295.685.20	28.03	0.93	0.46	19.45	
26-01-22 0:00	15.12	297.482.20	29.94	0.93	0.42	18.77	
26-01-22 1:00	15.10	302.553.50	33.36	0.91	0.44	16.89	
26-01-22 2:00	15.13	296.672.30	27.23	0.98	0.40	19.61	
26-01-22 3:00	15.12	293.918.80	26.27	0.99	0.49	19.92	
26-01-22 4:00	15.13	293.334.20	25.97	1.07	0.79	20.04	
26-01-22 5:00	15.19	285.275.00	20.06	1.18	2.97	24.19	
26-01-22 6:00	15.16	291.185.80	25.99	1.12	1.22	21.44	
26-01-22 7:00	15.17	286.059.00	24.37	2.36	1.15	21.82	
26-01-22 8:00	15.08	309.045.60	35.31	1.04	0.36	17.00	
26-01-22 9:00	15.07	315.994.60	34.86	1.10	0.36	17.44	
26-01-22 10:00	15.02	317.450.90	36.67	1.08	0.35	16.22	
26-01-22 11:00	14.98	319.927.80	38.49	0.77	0.35	15.69	
26-01-22 12:00	15.02	308076.6	25.44	0.95	0.35	19.51	
26-01-22 13:00	14.95	333271.7	35.32	0	0.35	12.1	
26-01-22 14:00	14.86	336770.8	43.45	0	0.35	9.87	
26-01-22 15:00	14.82	336649.5	43.37	0	0.34	9.92	
26-01-22 16:00	14.86	335922.7	40.76	0	0.35	10.36	
26-01-22 17:00	14.93	338624.5	39.24	0	0.35	10.79	
26-01-22 18:00	14.97	332544.8	40.53	0	0.35	11.54	
26-01-22 19:00	14.98	332474.4	40.06	0	0.35	12.03	
26-01-22 20:00	14.99	327679.4	43.46	0	0.35	12.54	
26-01-22 21:00	15.02	328450.4	40.57	0	0.35	12.75	
26-01-22 22:00	15.14	300075.8	29.51	1.02	1.13	17.13	
26-01-22 23:00	15.12	292.608.50	30.99	0.00	0.36	17.96	
27-01-22 0:00	15.12	289.928.80	33.43	0.00	0.36	16.70	
27-01-22 1:00	15.11	289.787.20	32.60	0.00	0.49	17.38	
27-01-22 2:00	15.12	288.015.50	33.84	0.00	0.42	15.90	
27-01-22 3:00	15.14	288.430.40	25.31	1.50	1.50	19.58	
27-01-22 4:00	15.15	292.047.70	22.36	0.00	1.10	20.90	

27-01-22 5:00	15.14	288.884.30	24.96	0.00	1.43	19.05
27-01-22 6:00	15.15	291.032.00	26.21	0.00	1.42	18.58
27-01-22 7:00	15.19	291.860.90	22.50	0.00	1.63	20.91
27-01-22 8:00	15.14	304.554.20	31.01	0.00	0.49	17.23
27-01-22 9:00	15.12	311.292.70	29.34	0.00	0.36	17.99
27-01-22 10:00	15.07	312.652.20	30.80	0.00	0.36	17.20
27-01-22 11:00	15.04	312.583.00	29.36	0.00	0.36	18.10
27-01-22 12:00	15.1	303630.7	21.37	0	0.36	21.8
27-01-22 13:00	14.96	329536.6	29.06	0	0.35	15.07
27-01-22 14:00	14.85	338944.7	40.88	0	0.34	10.2
27-01-22 15:00	14.87	338282.3	38.24	0	0.35	10.78
27-01-22 16:00	14.89	337219.7	37.12	0	0.35	11.4
27-01-22 17:00	14.93	336421.3	35.2	0	0.35	12.08
27-01-22 18:00	14.94	338789.5	36.11	0.01	0.35	11.73
27-01-22 19:00	14.95	331898	38.15	0.03	0.35	12.99
27-01-22 20:00	14.96	330737.2	39.61	0.03	0.35	12.98
27-01-22 21:00	14.97	330440.8	38	0.07	0.35	13.73
27-01-22 22:00	15.07	300604.8	27.13	0.1	0.76	15.99
27-01-22 23:00	15.09	298.486.30	22.85	0.15	0.36	17.80
28-01-22 0:00	15.10	297.542.60	21.41	0.15	0.36	18.71
28-01-22 1:00	15.07	299.949.00	22.94	0.24	0.70	18.12
28-01-22 2:00	15.07	294.819.80	23.59	0.37	0.36	21.42
28-01-22 3:00	15.08	291.917.50	22.90	0.47	0.82	21.64
28-01-22 4:00	15.08	294.195.00	25.06	0.52	1.02	20.63
28-01-22 5:00	15.11	290.089.60	21.44	0.77	1.78	22.63
28-01-22 6:00	15.11	290.621.30	22.38	0.75	1.57	21.95
28-01-22 7:00	15.17	287.322.20	20.09	0.94	2.81	23.65
28-01-22 8:00	15.09	304.468.80	31.80	0.84	0.36	17.71
28-01-22 9:00	15.04	314.556.90	34.38	0.76	0.36	17.30
28-01-22 10:00	15.01	313.628.00	30.63	0.73	0.35	19.01
28-01-22 11:00	14.97	316.263.60	32.77	0.63	0.35	17.91
28-01-22 12:00	15.02	308015	28.16	0.6	0.35	18.8
28-01-22 13:00	14.86	336028.4	28	0.47	0.35	12.98
28-01-22 14:00	14.7	350871.7	25.99	0.34	0.34	6.55
28-01-22 15:00	14.73	346454.3	25.04	0.34	0.34	7.2
28-01-22 16:00	14.77	343303.7	33.32	0.36	0.34	8.85
28-01-22 17:00	14.84	341680.3	32.78	0.28	0.34	10.04
28-01-22 18:00	14.91	336866	34.72	0.28	0.35	12.11
28-01-22 19:00	14.92	334051.4	35.95	0.24	0.35	12.64
28-01-22 20:00	14.92	330636.2	39.76	0.19	0.35	12.97
28-01-22 21:00	14.93	331724.3	35.99	0.24	0.35	13.47
28-01-22 22:00	15.06	304161.7	23.42	0.35	0.8	18.72
28-01-22 23:00	15.06	297.696.40	24.36	0.36	0.39	18.30
29-01-22 0:00	15.05	298.169.40	26.97	0.35	0.36	17.32
29-01-22 1:00	15.05	296.311.20	23.73	0.48	0.40	19.13
29-01-22 2:00	15.02	297.588.00	26.79	0.40	0.46	17.28
29-01-22 3:00	15.07	292.703.30	21.27	0.64	0.94	20.52
29-01-22 4:00	15.07	290.572.40	20.93	0.67	1.05	21.34
29-01-22 5:00	15.08	288.807.40	20.21	0.76	1.84	21.43
29-01-22 6:00	15.12	284.944.60	16.56	0.97	3.42	23.65
29-01-22 7:00	15.11	284.315.50	19.98	0.95	3.67	22.30
29-01-22 8:00	15.05	297.802.20	25.80	0.91	0.39	18.06
29-01-22 9:00	15.03	302.432.30	24.80	0.64	0.37	18.52
29-01-22 10:00	15.02	302.953.90	24.75	0.41	0.38	18.28
29-01-22 11:00	14.99	302.685.40	25.17	0.41	0.39	17.79
29-01-22 12:00	15.02	303091.6	24.42	0.41	0.41	17.74
29-01-22 13:00	14.88	327926.6	25.19	0.27	0.35	12.88
29-01-22 14:00	14.79	334059.3	41.42	0.2	0.34	10.53
29-01-22 15:00	14.76	332788.2	41.89	0.27	0.34	10.47
29-01-22 16:00	14.76	33496.7	39.54	0.27	0.34	10.26
29-01-22 17:00	14.83	336472.8	36.47	0.16	0.33	10.6
29-01-22 18:00	14.89	334187.3	32.63	0.03	0.35	12.8
29-01-22 19:00	14.9	335323.8	33.4	0.01	0.35	13.02
29-01-22 20:00	14.94	337766.3	28.69	0.01	0.35	14.23
29-01-22 21:00	14.94	340594.3	23.47	0.04	0.35	16.02
29-01-22 22:00	14.98	38752.9	19.54	0.3	0.33	6.89
29-01-22 23:00	14.55	392.204.30	12.93	0.00	0.33	6.50
30-01-22 0:00	14.55	393.087.50	10.28	0.01	0.33	6.62
30-01-22 1:00	14.55	392.654.50	9.70	0.07	0.33	6.83
30-01-22 2:00	14.54	393.146.70	9.72	0.12	0.33	6.42
30-01-22 3:00	14.54	394.288.80	10.40	0.16	0.33	6.24
30-01-22 4:00	14.54	394.231.70	10.25	0.22	0.33	6.33
30-01-22 5:00	14.54	394.347.60	10.10	0.29	0.33	6.42
30-01-22 6:00	14.56	395.162.90	12.01	0.36	0.33	7.11
30-01-22 7:00	14.66	388.019.10	21.57	0.43	0.33	6.85
30-01-22 8:00	14.65	385.553.60	23.61	0.46	0.33	6.86
30-01-22 9:00	14.57	388.343.90	17.56	0.46	0.33	6.48
30-01-22 10:00	14.53	385.080.60	18.69	0.30	0.33	5.42
30-01-22 11:00	14.51	381.974.30	18.27	0.28	0.33	5.21
30-01-22 12:00	14.57	379513.8	18.34	0.34	0.33	5.17
30-01-22 13:00	14.57	379399.3	18.34	0.17	0.33	5.5
30-01-22 14:00	14.52	379456.5	18.71	0.16	0.33	5.5
30-01-22 15:00	14.5	379304.6	19.24	0.1	0.33	5.43
30-01-22 16:00	14.5	379930.6	19.75	0.11	0.33	5.37
30-01-22 17:00	14.53	387821.4	23.67	0.01	0.33	6.82
30-01-22 18:00	14.96	320829.1	33.57	0	0.35	11.68
30-01-22 19:00	15.02	311814.6	34.94	0	0.35	12.27
30-01-22 20:00	15.07	317536.3	30.32	0	0.36	13.9
30-01-22 21:00	14.72	383889.3	26.86	0	0.34	6.69
30-01-22 22:00	14.71	388902.4	30.94	0	0.34	7.12
30-01-22 23:00	14.75	388489.1	27.57	0	0.34	5.97





04-02-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-02-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-02-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-02-22 14:00	14.94	347.361	31.41	1.08	0.35	12.77	
04-02-22 15:00	14.92	340.964	38.58	0.94	0.35	12.32	
04-02-22 16:00	14.95	340.890	36.27	0.86	0.35	12.86	
04-02-22 17:00	14.96	335.339	39.47	0.82	0.35	13.58	
04-02-22 18:00	14.97	333.322	40.13	0.86	0.35	14.09	
04-02-22 19:00	14.98	334.293	39.84	0.90	0.35	14.12	
04-02-22 20:00	14.99	333.229	40.86	0.99	0.35	14.51	
04-02-22 21:00	15.01	333.854	38.59	1.08	0.35	14.99	
04-02-22 22:00	15.15	304.727	23.35	1.26	0.83	19.78	
04-02-22 23:00	15.20	296.490.10	19.56	1.37	0.53	22.05	
05-02-22 0:00	15.19	296.084.00	23.90	1.39	1.03	20.08	
05-02-22 1:00	15.19	297.309.90	23.72	1.31	0.42	18.09	
05-02-22 2:00	15.20	296.174.70	21.72	1.41	0.95	19.55	
05-02-22 3:00	15.22	296.337.50	23.96	1.27	0.98	19.91	
05-02-22 4:00	15.28	289.251.10	19.17	1.30	4.17	22.92	
05-02-22 5:00	15.34	283.745.20	14.80	1.27	6.59	25.26	
05-02-22 6:00	14.99	297.749.19	42.45	0.94	12.76	25.11	
05-02-22 7:00	15.38	281.325.60	14.28	0.98	8.14	28.27	
05-02-22 8:00	15.35	287.347.60	19.21	0.73	4.40	24.59	
05-02-22 9:00	15.36	284.894.90	19.72	0.56	5.66	24.29	
05-02-22 10:00	15.31	288.582.30	22.23	0.36	2.46	22.27	
05-02-22 11:00	15.31	285.590.00	18.23	0.20	4.87	24.97	
05-02-22 12:00	15.32	284.539.10	16.83	0.21	5.81	26.26	
05-02-22 13:00	15.18	317.908	23.01	0.06	0.78	18.97	
05-02-22 14:00	15.00	335.409	40.79	0.05	0.35	12.39	
05-02-22 15:00	14.99	335.503	40.09	0.02	0.35	12.58	
05-02-22 16:00	14.99	329.749.19	42.45	0.94	12.76	25.11	
05-02-22 17:00	15.01	325.648	41.76	0.95	12.66	25.11	
05-02-22 18:00	15.03	327.312	41.80	0.05	0.36	12.77	
05-02-22 19:00	15.04	335.225	40.47	0.04	0.36	13.33	
05-02-22 20:00	15.06	332.638	41.17	0.10	0.36	14.06	
05-02-22 21:00	14.71	401.691	25.32	0.03	0.34	7.65	
05-02-22 22:00	14.74	401.691	25.32	0.03	0.34	7.65	
05-02-22 23:00	14.73	405.263.30	24.40	0.03	0.34	7.10	
06-02-22 0:00	14.73	405.575.50	34.38	0.04	0.34	7.41	
06-02-22 1:00	14.72	406.380.40	33.64	0.04	0.34	7.31	
06-02-22 2:00	14.71	407.763.30	24.75	0.04	0.34	7.03	
06-02-22 3:00	14.71	409.087.40	20.79	0.01	0.34	6.78	
06-02-22 4:00	14.71	409.740.60	21.06	0.01	0.34	6.94	
06-02-22 5:00	14.73	409.894.70	27.60	0.00	0.34	7.60	
06-02-22 6:00	14.86	403.397.00	25.43	0.00	0.34	7.15	
06-02-22 7:00	14.99	399.826.50	28.95	0.35	10.44	10.44	
06-02-22 8:00	14.99	390.380.40	30.63	0.00	0.35	10.65	
06-02-22 9:00	14.99	390.015.10	30.80	0.00	0.35	10.76	
06-02-22 10:00	14.93	396.885.90	25.55	0.00	0.35	8.28	
06-02-22 11:00	14.89	395.657.40	24.76	0.00	0.35	6.08	
06-02-22 12:00	14.83	393.299.60	23.12	0.00	0.34	6.26	
06-02-22 13:00	14.78	394.479	23.20	0.00	0.34	6.26	
06-02-22 14:00	14.70	394.914	27.05	0.00	0.34	7.48	
06-02-22 15:00	14.65	395.951	22.30	0.00	0.33	6.64	
06-02-22 16:00	14.67	395.289	21.33	0.00	0.33	6.77	
06-02-22 17:00	14.80	377.438	24.91	0.01	0.34	10.10	
06-02-22 18:00	15.06	330.864	27.02	0.00	0.36	17.48	
06-02-22 19:00	15.09	312.746	37.00	0.01	0.36	14.93	
06-02-22 20:00	15.10	317.577	36.01	0.01	0.36	14.90	
06-02-22 21:00	14.82	385.519	22.09	0.00	0.34	6.05	
06-02-22 22:00	14.81	389.513	22.76	0.00	0.34	5.32	
06-02-22 23:00	14.81	389.163.00	22.72	0.00	0.34	5.30	
07-02-22 0:00	14.83	390.255.00	22.11	0.01	0.34	6.59	
07-02-22 1:00	14.83	389.555.40	22.90	0.03	0.34	6.26	
07-02-22 2:00	14.83	388.568.70	25.46	0.04	0.34	6.45	
07-02-22 3:00	14.82	390.578.10	26.31	0.06	0.34	7.09	
07-02-22 4:00	14.80	396.207.60	20.13	0.07	0.34	7.57	
07-02-22 5:00	14.64	405.611.90	16.05	0.10	0.33	8.20	
07-02-22 6:00	14.64	407.392.50	16.43	0.10	0.33	9.19	
07-02-22 7:00	14.65	407.064.20	16.02	0.13	0.33	10.27	
07-02-22 8:00	14.62	393.053.30	22.93	0.20	0.33	10.88	
07-02-22 9:00	14.80	380.685.10	24.79	0.09	0.34	6.35	
07-02-22 10:00	14.72	381.292.60	22.18	0.15	0.34	5.42	
07-02-22 11:00	14.68	381.860.20	22.95	0.12	0.34	6.01	
07-02-22 12:00	14.67	382.881.70	24.59	0.10	0.33	6.66	
07-02-22 13:00	14.80	358.990.20	22.81	0.21	0.34	9.28	
07-02-22 14:00	14.78	352.828.80	29.94	0.25	0.34	7.78	
07-02-22 15:00	14.76	350.241.70	34.59	0.19	0.34	8.43	
07-02-22 16:00	14.83	345.825.80	33.11	0.28	0.34	9.75	
07-02-22 17:00	14.90	342.237.70	36.95	0.27	0.35	11.65	
07-02-22 18:00	14.94	325.498	39.24	0.30	0.35	13.94	
07-02-22 19:00	14.96	327.022	41.28	0.30	0.35	12.89	
07-02-22 20:00	14.96	327.470	40.66	0.23	0.35	13.39	
07-02-22 21:00	14.98	334.707.30	35.22	0.32	0.35	13.47	
07-02-22 22:00	14.78	375.102.70	23.98	0.23	0.34	7.08	
07-02-22 23:00	14.73	380.773.30	23.12	0.24	0.34	6.45	
08-02-22 0:00	14.71	380.479.70	22.86	0.31	0.34	5.58	
08-02-22 1:00	14.72	379.662.50	23.88	0.34	0.34	5.55	
08-02-22 2:00	14.72	379.418.00	24.22	0.46	0.34	5.83	
08-02-22 3:00	14.72	379.405.80	24.58	0.61	0.34	5.67	
08-02-22 4:00	14.74	379.039.90	24.97	0.72	0.34	6.64	
08-02-22 5:00	14.77	380.712.70	23.53	0.71	0.34	7.20	

08-02-22 6:00	14.77	379.282.30	25.46	0.81	0.34	6.40	
08-02-22 7:00	14.78	380.460.50	24.41	0.84	0.34	7.03	
08-02-22 8:00	14.77	379.580.30	25.18	0.80	0.34	5.80	
08-02-22 9:00	14.71	380.697.30	22.51	0.77	0.34	5.72	
08-02-22 10:00	14.64	381.625.50	23.21	0.73	0.33	6.69	
08-02-22 11:00	14.61	382.426.80	24.83	0.64	0.33	7.32	
08-02-22 12:00	14.61	383.476.70	21.31	0.51	0.33	6.59	
08-02-22 13:00	14.74	362.619	23.20	0.54	0.34	8.68	
08-02-22 14:00	14.75	355.832	28.72	0.55	0.34	8.23	
08-02-22 15:00	14.77	345.538	34.17	0.62	0.34	9.05	
08-02-22 16:00	14.82	341.055	37.37	0.65	0.34	10.09	
08-02-22 17:00	14.87	341.492	37.46	0.56	0.35	10.70	
08-02-22 18:00	14.93	339.716	36.62	0.49	0.35	12.05	
08-02-22 19:00	14.94	342.479	35.86	0.43	0.35	12.36	
08-02-22 20:00	14.95	337.826	36.63	0.38	0.35	13.49	
08-02-22 21:00	14.96	338.172	35.41	0.37	0.42	13.02	
08-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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09-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-02-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-02-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-02-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-02-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-02-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-02-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-02-22 14:00	14.85	342.824	38.88	0.51	0.34	10.85	
09-02-22 15:00	14.83	340.576	36.90	0.49	0.34	11.12	
09-02-22 16:00	14.85	340.729	36.94	0.49	0.34	11.59	
09-02-22 17:00	14.87	342.348	36.45	0.39	0.35	11.30	
09-02-22 18:00	14.93	340.783	34.04	0.36	0.35	12.73	
09-02-22 19:00	14.95	334.194	35.51	0.37	0.35	13.92	
09-02-22 20:00	14.92	330.332	41.06	0.34	0.35	13.06	
09-02-22 21:00	14.97	331.296	35.10	0.37	0.76	15.21	
09-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 14:00	14.75	347.808	31.44	0.50		8.95	
10-02-22 15:00	14.76	346.763	24.81	0.41	0.34	8.66	
10-02-22 16:00	14.83	341.171	31.08	0.39	0.34	11.98	
10-02-22 17:00	14.85	335.227	35.34	0.38	0.34	13.49	
10-02-22 18:00	14.91	340.042	28.14	0.39	0.35	15.12	
10-02-22 19:00	14.89	333.645	36.06	0.37	0.35	14.05	
10-02-22 20:00	14.91	328.203	37.74	0.32	0.35	17.19	
10-02-22 21:00	14.95	323.624	32.26	0.36	0.76	17.05	
10-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 14:00	14.82	341.727	36.10	0.36	0.34	10.81	
11-02-22 15:00	14.82	340.355	36.44	0.31	0.34	11.39	
11-02-22 16:00	14.90	341.562	30.27	0.27	0.35	13.16	
11-02-22 17:00	14.95	339.415	27.19	0.26	0.35	15.97	
11-02-22 18:00	14.92	330.095	36.50	0.38	0.35	14.07	
11-02-22 19:00	14.94	325.344	38.41	0.52	0.35	13.25	
11-02-22 20:00	14.94	328.101	37.51	0.65	0.35	13.97	
11-02-22 21:00	14.97	333.160	32.50	0.77	0.66	16.37	
11-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
11-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-02-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown



19-02-22 15:00	14.78	340.552	38.07	0.16	0.34	10.87	
19-02-22 16:00	14.81	339.231	34.06	0.29	0.34	12.16	
19-02-22 17:00	14.82	338.021	36.99	0.16	0.34	11.56	
19-02-22 18:00	14.94	337.806	30.94	0.06	0.35	13.93	
19-02-22 19:00	14.92	327.928	39.37	0.00	0.35	12.67	
19-02-22 20:00	14.93	330.857	40.17	0.00	0.35	12.77	
19-02-22 21:00	14.92	343.349	32.73	0.00	0.35	12.79	
19-02-22 22:00	14.59	395.991	13.46	0.00	0.33	6.23	
19-02-22 23:00	14.58	397.692.70	11.74	0.00	0.33	6.14	
20-02-22 0:00	14.58	397.362.90	11.58	0.00	0.33	6.21	
20-02-22 1:00	14.57	397.673.90	11.71	0.00	0.33	6.21	
20-02-22 2:00	14.57	397.115.60	11.64	0.02	0.33	6.27	
20-02-22 3:00	14.58	396.931.60	12.28	0.04	0.33	6.22	
20-02-22 4:00	14.58	397.375.30	12.70	0.07	0.33	6.19	
20-02-22 5:00	14.58	396.509.50	12.71	0.10	0.33	6.43	
20-02-22 6:00	14.59	399.089.30	12.64	0.11	0.33	6.44	
20-02-22 7:00	14.60	397.880.70	12.06	0.14	0.33	6.27	
20-02-22 8:00	14.60	396.990.40	11.88	0.13	0.33	6.09	
20-02-22 9:00	14.61	394.677.10	14.03	0.08	0.33	5.76	
20-02-22 10:00	14.56	392.195.80	17.59	0.02	0.33	5.39	
20-02-22 11:00	14.52	389.714.00	17.41	0.01	0.33	5.32	
20-02-22 12:00	14.53	387.039.60	19.19	0.00	0.33	5.43	
20-02-22 13:00	14.54	384.582	18.23	0.00	0.33	5.53	
20-02-22 14:00	14.50	385.005	17.60	0.00	0.33	5.50	
20-02-22 15:00	14.47	384.995	17.23	0.01	0.32	5.45	
20-02-22 16:00	14.48	387.231	16.73	0.02	0.32	5.45	
20-02-22 17:00	14.60	384.160	19.99	0.00	0.33	6.71	
20-02-22 18:00	14.90	340.338	34.95	0.00	0.35	12.14	
20-02-22 19:00	14.95	326.453	39.36	0.00	0.35	12.73	
20-02-22 20:00	14.95	334.743	33.99	0.00	0.35	12.63	
20-02-22 21:00	14.61	394.618	13.63	0.00	0.33	5.64	
20-02-22 22:00	14.61	402.780	13.08	0.00	0.33	5.90	
20-02-22 23:00	14.68	405.683	17.81	0.01	0.34	6.35	
21-02-22 0:00	14.69	406.786.4	19.13	0.02	0.34	6.29	
21-02-22 1:00	14.70	408.675	20.24	0.03	0.34	6.24	
21-02-22 2:00	14.74	408.066.8	27.25	0.03	0.34	6.74	
21-02-22 3:00	14.76	408.586.9	34.63	0.01	0.34	7.19	
21-02-22 4:00	14.78	409.236	34.61	0.00	0.34	7.02	
21-02-22 5:00	14.79	408.517.6	31.54	0.00	0.34	6.50	
21-02-22 6:00	14.80	409.306.8	19.66	0.00	0.34	6.53	
21-02-22 7:00	14.83	409.903.5	19.61	0.00	0.34	6.29	
21-02-22 8:00	14.85	410.073	19.57	0.00	0.34	6.40	
21-02-22 9:00	15.12	387.649	28.65	0.00	0.36	15.51	
21-02-22 10:00	15.14	385.993	32.08	0.00	0.36	16.81	
21-02-22 11:00	15.12	386.257	32.36	0.00	0.36	16.20	
21-02-22 12:00	15.08	384.374	34.09	0.00	0.36	14.85	
21-02-22 13:00	15.18	361.748	24.39	0.00	0.36	26.24	
21-02-22 14:00	15.16	357.865	19.99	0.00	0.36	24.37	
21-02-22 15:00	15.10	338.109	40.83	0.00	0.36	12.39	
21-02-22 16:00	15.05	338.274	<Sample	0.00	<Sample	11.94	
21-02-22 17:00	15.05	339.959	48.66	0.00	0.36	11.96	
21-02-22 18:00	15.08	338.421	42.80	0.00	0.36	13.06	
21-02-22 19:00	15.10	333.531	41.86	0.00	0.36	13.82	
21-02-22 20:00	15.08	335.952	47.01	0.00	0.36	12.21	
21-02-22 21:00	15.10	343.582.10	40.96	0.00	0.36	12.93	
21-02-22 22:00	15.04	380.138.50	33.29	0.00	0.36	13.34	
21-02-22 23:00	15.04	384.227.10	32.22	0.00	0.36	13.02	
22-02-22 0:00	15.04	383.720.80	31.20	0.00	0.36	13.38	
22-02-22 1:00	15.04	384.715.00	31.02	0.00	0.36	13.12	
22-02-22 2:00	15.04	384.909.00	31.30	0.00	0.36	12.71	
22-02-22 3:00	15.06	385.578.20	31.05	0.00	0.36	13.45	
22-02-22 4:00	15.07	386.230.30	30.33	0.00	0.36	14.48	
22-02-22 5:00	15.09	387.290.60	30.09	0.00	0.36	14.94	
22-02-22 6:00	15.11	387.326.10	29.65	0.00	0.36	15.42	
22-02-22 7:00	15.11	387.617.70	29.55	0.00	0.36	15.79	
22-02-22 8:00	15.11	386.207.70	31.76	0.00	0.36	13.72	
22-02-22 9:00	15.07	384.361.80	33.56	0.00	0.36	11.96	
22-02-22 10:00	15.03	381.682.60	34.33	0.00	0.35	9.74	
22-02-22 11:00	14.96	378.791.20	32.63	0.00	0.35	7.32	
22-02-22 12:00	14.86	380.503.10	29.22	0.00	0.35	4.08	
22-02-22 13:00	14.97	364.444	28.70	0.00	0.35	10.59	
22-02-22 14:00	15.04	350.265	30.80	0.00	0.36	12.33	
22-02-22 15:00	15.00	351.890	31.91	0.00	0.35	10.93	
22-02-22 16:00	15.04	342.655	37.32	0.00	0.36	13.14	
22-02-22 17:00	15.02	331.890	45.74	0.00	0.35	11.72	
22-02-22 18:00	15.04	330.658	45.67	0.00	0.36	11.71	
22-02-22 19:00	15.05	331.613	45.88	0.00	0.36	11.95	
22-02-22 20:00	15.08	336.477	40.08	0.00	0.36	12.08	
22-02-22 21:00	15.08	346.215	40.94	0.00	0.36	10.68	
22-02-22 22:00	14.99	375.543	35.30	0.00	0.35	9.70	
22-02-22 23:00	14.98	378.939.60	34.25	0.00	0.35	9.68	
23-02-22 0:00	14.98	381.187.10	34.17	0.00	0.35	9.93	
23-02-22 1:00	14.99	382.466.30	32.63	0.00	0.35	10.71	
23-02-22 2:00	15.00	383.019.20	31.34	0.00	0.35	11.56	
23-02-22 3:00	15.01	383.487.50	31.08	0.00	0.35	11.79	
23-02-22 4:00	15.04	384.766.40	31.82	0.00	0.36	11.58	
23-02-22 5:00	15.07	385.546.20	32.01	0.00	0.36	11.92	
23-02-22 6:00	15.10	387.154.00	31.32	0.00	0.36	13.13	
23-02-22 7:00	15.11	387.346.80	31.56	0.00	0.36	13.35	
23-02-22 8:00	15.10	385.709.00	34.09	0.00	0.36	11.75	
23-02-22 9:00	15.07	383.679.20	35.74	0.00	0.36	10.38	

23-02-22 10:00	15.04	379,241.00	37.71	0.00	0.36	9.11	
23-02-22 11:00	15.01	371,288.00	40.38	0.00	0.35	8.53	
23-02-22 12:00	14.89	378,856.60	32.63	0.00	0.35	4.83	
23-02-22 13:00	15.06	356,232	30.30	0.00	0.36	11.92	
23-02-22 14:00	15.10	346,653	33.39	0.00	0.36	12.89	
23-02-22 15:00	15.09	346,068	32.89	0.00	0.36	12.47	
23-02-22 16:00	15.10	343,387	31.71	0.00	0.36	12.95	
23-02-22 17:00	15.07	351,144	31.75	0.00	0.36	11.49	
23-02-22 18:00	15.10	353,281	29.64	0.00	0.36	12.91	
23-02-22 19:00	15.08	340,893	40.27	0.00	0.36	10.63	
23-02-22 20:00	15.09	340,125	44.39	0.00	0.36	10.02	
23-02-22 21:00	15.08	347,642	43.07	0.00	0.36	9.37	
23-02-22 22:00	15.03	376,886	33.08	0.00	0.36	9.16	
23-02-22 23:00	15.03	382,745.10	32.24	0.00	0.36	9.04	
24-02-22 0:00	15.05	383,902.80	30.94	0.00	0.36	9.83	
24-02-22 1:00	15.07	384,312.10	30.88	0.00	0.36	10.32	
24-02-22 2:00	15.08	385,642.30	29.95	0.00	0.36	11.04	
24-02-22 3:00	15.10	386,350.90	28.05	0.00	0.36	11.91	
24-02-22 4:00	15.12	388,158.10	27.26	0.00	0.36	12.50	
24-02-22 5:00	15.15	389,628.60	25.55	0.00	0.36	13.77	
24-02-22 6:00	15.18	391,082.50	22.81	0.00	0.36	15.90	
24-02-22 7:00	15.17	390,973.90	24.82	0.00	0.36	14.64	
24-02-22 8:00	15.16	389,430.00	28.96	0.00	0.36	12.48	
24-02-22 9:00	15.13	386,158.00	31.66	0.00	0.36	11.19	
24-02-22 10:00	15.08	383,169.20	33.69	0.00	0.36	9.19	
24-02-22 11:00	15.06	376,230.60	36.00	0.00	0.36	8.59	
24-02-22 12:00	14.95	378,541.00	31.83	0.00	0.35	5.55	
24-02-22 13:00	15.06	362,771	25.73	0.00	0.36	11.58	
24-02-22 14:00	15.09	353,526	31.10	0.00	0.36	11.98	
24-02-22 15:00	15.08	349,549	35.37	0.00	0.36	11.62	
24-02-22 16:00	15.13	344,993	32.99	0.00	0.36	12.94	
24-02-22 17:00	15.10	342,984	37.80	0.00	0.36	11.39	
24-02-22 18:00	15.10	324,446	44.06	0.00	0.36	10.31	
24-02-22 19:00	15.11	333,120	43.76	0.00	0.36	10.06	
24-02-22 20:00	15.11	336,992	44.91	0.00	0.36	10.54	
24-02-22 21:00	15.10	339,884	43.23	0.00	0.36	10.96	
24-02-22 22:00	15.02	372,557	36.99	0.00	0.35	8.56	
24-02-22 23:00	15.02	378,103.30	33.43	0.00	0.35	8.57	
25-02-22 0:00	15.03	383,202.80	29.18	0.00	0.36	9.52	
25-02-22 1:00	15.05	384,164.60	28.02	0.00	0.36	10.19	
25-02-22 2:00	15.05	384,926.70	26.93	0.00	0.36	10.91	
25-02-22 3:00	15.06	386,383.10	26.37	0.00	0.36	12.33	
25-02-22 4:00	15.09	387,829.50	26.65	0.00	0.36	13.26	
25-02-22 5:00	15.12	388,370.40	24.88	0.00	0.36	14.55	
25-02-22 6:00	15.15	389,152.00	21.83	0.00	0.36	16.09	
25-02-22 7:00	15.15	389,254.10	23.49	0.00	0.36	15.20	
25-02-22 8:00	15.14	387,151.80	27.00	0.00	0.36	12.82	
25-02-22 9:00	15.11	384,963.60	29.18	0.00	0.36	11.37	
25-02-22 10:00	15.05	382,210.40	31.46	0.00	0.36	9.37	
25-02-22 11:00	14.94	381,873.00	26.85	0.00	0.35	5.20	
25-02-22 12:00	14.87	381,277.40	27.58	0.00	0.35	3.45	
25-02-22 13:00	15.02	358,938	27.65	0.00	0.36	11.58	
25-02-22 14:00	15.09	332,155	37.50	0.00	0.36	12.56	
25-02-22 15:00	15.14	338,617	28.37	0.00	0.36	14.76	
25-02-22 16:00	15.03	351,045	33.15	0.00	0.36	9.44	
25-02-22 17:00	14.97	357,178	33.38	0.00	0.35	7.07	
25-02-22 18:00	15.05	347,476	35.71	0.00	0.36	10.62	
25-02-22 19:00	15.09	352,250	29.27	0.00	0.36	14.05	
25-02-22 20:00	15.13	346,117	30.49	0.00	0.36	14.65	
25-02-22 21:00	15.15	354,900	25.39	0.00	0.36	17.73	
25-02-22 22:00	14.97	376,547	28.60	0.00	0.35	6.35	
25-02-22 23:00	14.91	383,817.50	25.92	0.00	0.35	5.36	
26-02-22 0:00	14.95	376,330.90	35.82	0.00	0.35	7.91	
26-02-22 1:00	14.97	377,427.30	36.53	0.00	0.35	9.43	
26-02-22 2:00	14.96	382,239.60	35.72	0.00	0.35	10.05	
26-02-22 3:00	14.98	383,356.70	34.88	0.00	0.35	11.13	
26-02-22 4:00	14.99	383,817.00	33.81	0.00	0.35	11.99	
26-02-22 5:00	15.00	383,974.30	33.29	0.00	0.35	12.36	
26-02-22 6:00	15.04	384,488.00	31.98	0.00	0.36	13.84	
26-02-22 7:00	15.06	385,255.50	31.97	0.00	0.36	14.36	
26-02-22 8:00	15.03	383,208.60	34.53	0.00	0.36	12.82	
26-02-22 9:00	15.00	379,979.90	35.87	0.00	0.35	10.32	
26-02-22 10:00	14.90	380,517.90	30.55	0.00	0.35	5.95	
26-02-22 11:00	14.82	381,090.10	27.91	0.00	0.34	3.65	
26-02-22 12:00	14.78	381,797.20	26.23	0.00	0.34	4.07	
26-02-22 13:00	14.93	358,785	26.55	0.00	0.36	9.59	
26-02-22 14:00	14.97	346,042	33.53	0.00	0.35	9.64	
26-02-22 15:00	14.99	343,083	35.74	0.00	0.35	10.87	
26-02-22 16:00	15.01	332,680	36.88	0.00	0.35	11.43	
26-02-22 17:00	15.03	338,137	35.56	0.00	0.36	11.06	
26-02-22 18:00	15.03	326,519	40.67	0.00	0.36	11.49	
26-02-22 19:00	15.04	329,398	43.21	0.00	0.36	11.63	
26-02-22 20:00	15.05	326,778	42.36	0.00	0.36	11.59	
26-02-22 21:00	15.10	330,987	34.00	0.00	0.66	13.82	
26-02-22 22:00	Shutdown	Shutdown	3.45	4.30	0.00	6.97	
26-02-22 23:00	Shutdown	Shutdown	0.00	0.00	0.00	0.00	
27-02-22 0:00	Shutdown	Shutdown	0.00	0.00	0.00	0.00	
27-02-22 1:00	Shutdown	Shutdown	0.00	0.00	0.00	0.00	
27-02-22 2:00	Shutdown	Shutdown	0.00	0.00	0.00	0.00	
27-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
27-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	

27-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 17:00	19.16	94,078	28.43	4.59	4.32	83.69	
27-02-22 18:00	15.17	310,481	28.89	0.08	1.30	22.62	
27-02-22 19:00	15.04	313,972	31.53	0.00	0.36	13.64	
27-02-22 20:00	15.10	313,114	27.84	0.00	0.87	15.02	
27-02-22 21:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 13:00	16.45	234,950.40	36.97	4.67	4.61	95.33	
28-02-22 14:00	14.83	340,917.30	36.70	0.00	0.34	12.08	
28-02-22 15:00	14.83	341,353.90	35.87	0.00	0.34	12.23	
28-02-22 16:00	14.84	339,475.40	33.71	0.00	0.34	12.88	
28-02-22 17:00	14.86	338,890.80	33.50	0.00	0.34	13.39	
28-02-22 18:00	14.89	340,750.50	30.83	0.00	0.35	14.24	
28-02-22 19:00	14.93	341,088.80	28.49	0.00	0.35	15.49	
28-02-22 20:00	14.97	334,294.80	26.13	0.00	0.35	17.79	
28-02-22 21:00	14.92	335,995.60	28.08	0.00	0.35	14.70	
28-02-22 22:00	14.72	379,722.40	18.64	0.00	0.34	7.55	
28-02-22 23:00	14.72	383,746.20	18.56	0.00	0.34	7.29	
Minimum	14.47	84,077.98	3.45	0.01	0.32	3.45	
Maximum	19.16	410,073.00	48.86	5.36	8.14	95.33	
Average	14.94	357,464.78	29.62	0.57	0.52	12.15	
SUM							
STD			STD = 60.120	STD = 6.20	STD = 28.60	STD = 690	

Site Name: GULF\_NRV2  
Stack Name: HRSG\_STACK2  
Periodically: 01/03/2022 - 31/03/2022

Date & Time	O2	FLOW @1 ATM 25C m3/hr	Emission Concentration for Standardization Comparison				Remark
			HRSG1_NOx@7%O2 ppm	HRSG1_SOx@7%O2 ppm	HRSG1_Dust (7%O2) mg/m3	HRSG1_CO@7%O2 ppm	
01-03-22 0:00	14.72	382,586.10	17.70	0.00	0.34	6.68	
01-03-22 1:00	14.73	382,442.70	17.49	0.00	0.34	6.62	
01-03-22 2:00	14.74	382,784.10	18.00	0.00	0.34	6.00	
01-03-22 3:00	14.74	382,460.60	18.10	0.00	0.34	5.91	
01-03-22 4:00	14.74	381,158.30	17.94	0.00	0.34	6.22	
01-03-22 5:00	14.75	381,440.20	18.40	0.00	0.34	6.73	
01-03-22 6:00	14.79	382,450.20	17.67	0.00	0.34	8.11	
01-03-22 7:00	14.79	382,563.50	17.89	0.00	0.34	8.03	
01-03-22 8:00	14.76	381,231.90	18.30	0.00	0.34	6.31	
01-03-22 9:00	14.81	371,561.1	20.49	0	0.34	9.59	
01-03-22 10:00	14.88	351,450	26.3	0	0.35	11.62	
01-03-22 11:00	14.89	342,284.7	33.51	0	0.35	12.66	
01-03-22 12:00	14.86	340,708.3	35.45	0	0.34	12.04	
01-03-22 13:00	14.85	339,294.3	35.88	0	0.34	11.88	
01-03-22 14:00	14.79	336,354.2	35.71	0	0.34	12.3	
01-03-22 15:00	14.79	337,273	35.44	0	0.34	12.29	
01-03-22 16:00	14.81	335,985.5	35.3	0	0.34	12.46	
01-03-22 17:00	14.84	335,936.9	34.49	0	0.34	12.73	
01-03-22 18:00	14.88	338,107.3	33.53	0	0.35	12.87	
01-03-22 19:00	14.91	339,277.2	31.82	0	0.35	13.67	
01-03-22 20:00	14.94	339,955.5	30.73	0	0.35	14.09	
01-03-22 21:00	14.96	340,840.2	28.85	0	0.35	14.85	
01-03-22 22:00	14.99	343,759.2	29.87	0	0.34	14.67	
01-03-22 23:00	15.06	317,260.10	23.50	0.00	0.92	18.72	
02-03-22 0:00	15.08	301,242.20	21.87	0.00	0.36	21.70	
02-03-22 1:00	15.08	301,666.30	21.81	0.00	0.39	21.57	
02-03-22 2:00	15.08	300,853.00	20.89	0.00	0.43	22.52	
02-03-22 3:00	15.09	299,076.20	20.52	0.00	0.50	22.31	
02-03-22 4:00	15.12	296,762.30	20.42	0.00	0.80	21.58	
02-03-22 5:00	15.09	298,341.60	21.84	0.00	0.50	21.01	
02-03-22 6:00	15.13	297,583.30	19.96	0.00	0.51	22.10	
02-03-22 7:00	15.15	301,666.30	21.3	0.00	0.60	21.86	
02-03-22 8:00	15.11	318,311.10	24.98	0.00	0.36	21.56	
02-03-22 9:00	15.12	319,826.9	21.72	0	0.36	24.94	
02-03-22 10:00	14.92	352,669.7	25.23	0	0.35	15.47	
02-03-22 11:00	14.9	346,667	32.6	0	0.35	14.15	
02-03-22 12:00	14.87	343,420.8	36.26	0	0.35	13.48	
02-03-22 13:00	14.81	346,854.7	30.73	0	0.34	11.23	
02-03-22 14:00	14.7	351,811.8	25.45	0	0.34	8.08	
02-03-22 15:00	14.67	352,303.9	25.15	0	0.33	6.96	
02-03-22 16:00	14.73	347,427.5	29.58	0	0.34	8.85	
02-03-22 17:00	14.82	341,301.4	34.33	0	0.34	9.31	
02-03-22 18:00	14.89	339,478.4	30.18	0	0.35	10.3	
02-03-22 19:00	14.91	340,103.5	30.52	0	0.35	9.63	
02-03-22 20:00	14.93	333,878.1	31.78	0	0.35	10.01	
02-03-22 21:00	14.96	321,085.5	34.01	0	0.35	11.87	
02-03-22 22:00	14.98	321,604.5	33.93	0	0.35	14.2	
02-03-22 23:00	15.08	306,857.10	22.68	0.00	0.93	18.92	
03-03-22 0:00	15.13	300,437.30	21.45	0.00	0.64	20.32	
03-03-22 1:00	15.09	306,159.40	26.27	0.00	0.41	17.81	
03-03-22 2:00	15.11	303,314.30	22.87	0.00	0.38	19.84	
03-03-22 3:00	15.12	299,112.80	20.54	0.00	0.69	20.93	
03-03-22 4:00	15.12	297,572.80	20.13	0.00	0.44	21.11	
03-03-22 5:00	15.15	288,499.80	16.65	0.00	3.66	24.05	
03-03-22 6:00	15.13	294,490.30	20.76	0.00	0.61	21.06	
03-03-22 7:00	15.14	299,983.50	20.27	0.00	0.50	21.88	
03-03-22 8:00	15.08	313,047.30	27.98	0.00	0.36	18.18	
03-03-22 9:00	15.09	320,909.8	25.44	0	0.36	21.94	
03-03-22 10:00	14.96	349,597.1	23.89	0	0.35	19.39	
03-03-22 11:00	14.89	346,103	30.35	0	0.35	14.56	
03-03-22 12:00	14.87	341,558.5	31.3	0	0.35	14.75	
03-03-22 13:00	14.83	341,632.4	32.63	0	0.34	13.02	
03-03-22 14:00	14.74	348,575.4	19.66	0	0.34	9.27	
03-03-22 15:00	14.72	350,429.4	18.67	0	0.34	7.58	
03-03-22 16:00	14.75	348,193.8	15.86	0	0.34	11.17	
03-03-22 17:00	14.7	354,957.8	19.36	0	0.34	7.11	
03-03-22 18:00	14.8	347,214	20.72	0	0.34	10.77	
03-03-22 19:00	14.8	352,483.2	18.84	0	0.34	8.42	
03-03-22 20:00	14.9	344,683.4	25.74	0	0.35	12.02	
03-03-22 21:00	14.95	327,853	32.8	0	0.35	14.54	
03-03-22 22:00	14.97	331,206.6	30.94	0	0.35	15.18	
03-03-22 23:00	15.05	317,617.1	21.83	0	0.61	21.59	
04-03-22 0:00	15.07	303,243.6	25.29	0	0.41	19.22	
04-03-22 1:00	15.09	296,391.9	19.68	0	1.32	23.33	
04-03-22 2:00	15.07	299,511.3	20.67	0	0.65	22.32	
04-03-22 3:00	15.07	299,790.3	21.53	0	0.55	21.89	
04-03-22 4:00	15.08	297,102.9	20.72	0	0.48	22.34	
04-03-22 5:00	15.08	298,541.3	22.98	0	0.51	20.22	
04-03-22 6:00	15.12	296,661.3	16.5	0	0.48	24.84	
04-03-22 7:00	15.13	297,167.7	18.17	0	0.55	23.36	
04-03-22 8:00	15.04	312,702.6	26.5	0	0.96	19.28	
04-03-22 9:00	14.98	324,389.3	31.23	0	0.35	18.08	
04-03-22 10:00	14.83	350,728.1	26.72	0	0.34	12.35	



04-03-22 11:00	14.82	343056.6	35.59	0	0.34	12.37	
04-03-22 12:00	14.79	339772.8	34.96	0	0.34	13.14	
04-03-22 13:00	14.75	341234.7	30.43	0	0.34	12.85	
04-03-22 14:00	14.67	347301.4	25.16	0	0.33	11.06	
04-03-22 15:00	14.75	333823.1	33.83	0	0.34	15.59	
04-03-22 16:00	14.77	334235.3	33.76	0	0.34	15.46	
04-03-22 17:00	14.79	333981.6	34.85	0	0.34	14.64	
04-03-22 18:00	14.84	337264.4	35.04	0	0.34	13.26	
04-03-22 19:00	14.89	331938.1	33.85	0	0.35	14.63	
04-03-22 20:00	14.93	329940.3	33.47	0	0.35	14.16	
04-03-22 21:00	14.95	324616.1	34.3	0	0.35	13.8	
04-03-22 22:00	14.95	332851	31.5	0	0.35	14.55	
04-03-22 23:00	15	309529.5	24.31	0	0.72	17.22	
05-03-22 0:00	15.04	299147.1	20.26	0	0.41	20.41	
05-03-22 1:00	15.03	297321.3	22.18	0	0.46	19.94	
05-03-22 2:00	15.02	292723.4	22.85	0	0.44	17.95	
05-03-22 3:00	15.02	292300.8	22.67	0	0.64	17.89	
05-03-22 4:00	15.02	289527.6	20.19	0	1.38	19.05	
05-03-22 5:00	15.05	286294.6	16.92	0	2.51	21.47	
05-03-22 6:00	15.09	283959.9	14.65	0	4.73	23.21	
05-03-22 7:00	15.09	283719.6	16.12	0	3.66	23.8	
05-03-22 8:00	15.03	304051.3	23.68	0	0.38	19.78	
05-03-22 9:00	15.04	311543.7	21.14	0	0.36	22.41	
05-03-22 10:00	14.81	343718.4	29.63	0	0.34	12.52	
05-03-22 11:00	14.76	339811.5	34.9	0	0.34	12.56	
05-03-22 12:00	14.77	336373.6	35.15	0	0.34	12.47	
05-03-22 13:00	14.77	332905.3	35.53	0	0.34	13.46	
05-03-22 14:00	14.78	331684.2	35.95	0	0.34	13.25	
05-03-22 15:00	14.77	330516.3	36.19	0	0.34	13.16	
05-03-22 16:00	14.77	334990.5	32.58	0	0.34	13.23	
05-03-22 17:00	14.83	340895.8	29.73	0	0.34	13.16	
05-03-22 18:00	14.87	335968.1	32.96	0	0.35	13.16	
05-03-22 19:00	14.91	336664.9	31.54	0	0.35	14.4	
05-03-22 20:00	14.92	328675.8	35.49	0	0.35	14.87	
05-03-22 21:00	14.93	331844.3	35.47	0	0.35	14.19	
05-03-22 22:00	14.94	332543.9	36.72	0	0.35	13.41	
05-03-22 23:00	14.73	376837.1	16.95	0	0.34	8.02	
06-03-22 0:00	14.6	396284.5	10.24	0	0.33	5.59	
06-03-22 1:00	14.59	396026.4	8.66	0	0.33	5.85	
06-03-22 2:00	14.58	397501.8	4.17	0	0.33	6.43	
06-03-22 3:00	14.58	397537	3.7	0	0.33	6.43	
06-03-22 4:00	14.57	397426.3	3.03	0	0.33	6.6	
06-03-22 5:00	14.58	397221.2	2.71	0	0.33	6.6	
06-03-22 6:00	14.6	397398.6	3.02	0	0.33	6.68	
06-03-22 7:00	14.61	398046.9	4.65	0	0.33	7.69	
06-03-22 8:00	14.61	394351.6	11.44	0	0.33	7.32	
06-03-22 9:00	14.6	390428.5	13.43	0	0.33	6.9	
06-03-22 10:00	14.58	387410.8	13.92	0	0.33	6.72	
06-03-22 11:00	14.54	384012.3	12.48	0	0.33	6.61	
06-03-22 12:00	14.52	383512.2	11.83	0	0.33	6.43	
06-03-22 13:00	14.54	382930	11.73	0	0.33	6.44	
06-03-22 14:00	14.51	383169.7	11.32	0	0.33	6.45	
06-03-22 15:00	14.5	382687.8	11.17	0	0.33	6.43	
06-03-22 16:00	14.51	382749.5	11.19	0	0.33	6.44	
06-03-22 17:00	14.52	385315.6	12.74	0	0.33	6.02	
06-03-22 18:00	14.79	352951.6	21.07	0	0.34	12.25	
06-03-22 19:00	14.95	315790.4	33.35	0	0.35	14.94	
06-03-22 20:00	14.97	313978.2	33.2	0	0.35	15.02	
06-03-22 21:00	14.99	313564.6	33.59	0	0.35	14.86	
06-03-22 22:00	14.88	355199.3	23.36	0	0.35	11.2	
06-03-22 23:00	14.71	393.381.20	18.33	0.00	0.34	8.75	
07-03-22 0:00	14.73	393.293.60	17.22	0.00	0.34	7.99	
07-03-22 1:00	14.73	392.838.50	16.14	0.00	0.34	7.64	
07-03-22 2:00	14.72	392.606.80	16.30	0.00	0.34	8.61	
07-03-22 3:00	14.68	395.078.10	13.26	0.00	0.34	8.46	
07-03-22 4:00	14.64	397.186.20	7.83	0.00	0.33	7.24	
07-03-22 5:00	14.63	399.053.90	5.31	0.00	0.33	7.05	
07-03-22 6:00	14.63	400.232.30	4.50	0.00	0.33	7.23	
07-03-22 7:00	14.64	399.579.90	3.49	0.00	0.33	7.00	
07-03-22 8:00	15.03	331.294.10	17.14	0.59	0.35	25.59	
07-03-22 9:00	15.06	312.335.30	26.56	0.00	0.36	20.75	
07-03-22 10:00	14.88	346.935.60	28.43	0.00	0.35	14.80	
07-03-22 11:00	14.74	349.775.10	21.24	0.00	0.34	7.34	
07-03-22 12:00	14.73	346.429.80	22.95	0.00	0.34	7.88	
07-03-22 13:00	14.79	333.529.60	35.20	0.00	0.35	12.31	
07-03-22 14:00	14.78	332.300.40	35.73	0.00	0.34	12.22	
07-03-22 15:00	14.77	330.004.20	35.26	0.00	0.34	13.01	
07-03-22 16:00	14.74	341.447.90	24.92	0.00	0.34	10.50	
07-03-22 17:00	14.94	342.754.70	25.23	0.00	0.35	17.56	
07-03-22 18:00	14.95	339699.5	32.47	0	0.35	15.26	
07-03-22 19:00	15	322565.1	33.48	0	0.35	15.09	
07-03-22 20:00	14.99	333772.2	31.95	0	0.35	15.38	
07-03-22 21:00	14.99	336674.9	32.41	0	0.35	14.99	
07-03-22 22:00	15.04	347255.3	23.23	0	0.36	20.48	
07-03-22 23:00	15.13	327303.1	15.74	0	0.88	26.51	
08-03-22 0:00	15.17	296807.2	17.43	0	0.41	24.16	
08-03-22 1:00	15.15	297386.2	20.31	0	0.48	21.49	
08-03-22 2:00	15.15	297517.8	20.58	0	0.55	20.68	
08-03-22 3:00	15.18	294903.1	19.44	0	1.37	21.14	
08-03-22 4:00	15.15	296724.5	22.57	0	0.64	19.16	
08-03-22 5:00	15.19	292928.9	18.77	0	0.9	21.48	

08-03-22 6:00	15.15	301699.3	25.5	0	0.36	17.75
08-03-22 7:00	15.19	300942.4	24.44	0	0.51	18.41
08-03-22 8:00	15.16	310203.7	30.05	0	0.36	16.2
08-03-22 9:00	15.15	318285.5	30.1	0	0.36	17.27
08-03-22 10:00	15.05	353274.9	22.69	0	0.36	20.67
08-03-22 11:00	15.01	351858.5	24.32	0	0.35	16.22
08-03-22 12:00	15.01	347332.3	26.58	0	0.35	17.03
08-03-22 13:00	15.03	340449.6	23.83	0	0.36	21.22
08-03-22 14:00	14.98	340965.8	29.2	0	0.35	18.65
08-03-22 15:00	14.95	343556.5	27.49	0	0.35	14.54
08-03-22 16:00	14.96	337910.5	29.64	0	0.35	14.79
08-03-22 17:00	14.93	328242.2	35.95	0	0.35	13.69
08-03-22 18:00	14.96	323443.5	34.84	0	0.35	13.63
08-03-22 19:00	14.97	323560.7	34.54	0	0.35	13.84
08-03-22 20:00	14.98	324840.3	35.12	0	0.35	13.98
08-03-22 21:00	14.98	333945	34.41	0	0.35	13.33
08-03-22 22:00	14.99	331071.8	35.68	0	0.35	13.25
08-03-22 23:00	15.08	310341.5	25.94	0	0.8	16.05
09-03-22 0:00	15.12	298923.3	19.72	0	0.36	20.06
09-03-22 1:00	15.08	301383.5	22.33	0	0.39	18.8
09-03-22 2:00	15.09	300540	21.09	0	0.38	19.02
09-03-22 3:00	15.11	297636.5	18.21	0	0.52	19.95
09-03-22 4:00	15.15	293480.5	16.29	0	2.04	20.68
09-03-22 5:00	15.13	292664.1	20.02	0	0.65	18.73
09-03-22 6:00	15.13	296130	21.83	0	0.75	17.85
09-03-22 7:00	15.17	294173.8	18.36	0	0.36	14.76
09-03-22 8:00	15.12	306595.1	27.34	0	0.36	15.82
09-03-22 9:00	15.14	311013.5	22.18	0	0.36	18.51
09-03-22 10:00	14.98	348116.7	24.41	0	0.35	15.39
09-03-22 11:00	14.91	347248.3	28.3	0	0.35	11.8
09-03-22 12:00	14.87	343855.9	32.91	0	0.37	11.11
09-03-22 13:00	14.82	346280.7	32.61	0	0.34	8.98
09-03-22 14:00	14.82	340828.9	37.27	0	0.34	10.38
09-03-22 15:00	14.81	339095.8	36.53	0	0.34	10.71
09-03-22 16:00	14.81	339029.1	36.02	0	0.34	10.76
09-03-22 17:00	14.84	338972	35.27	0	0.34	11.03
09-03-22 18:00	14.91	333368.1	32.62	0	0.35	13.02
09-03-22 19:00	14.93	339794.3	31.75	0	0.35	12.64
09-03-22 20:00	14.95	332803.8	30.83	0	0.35	14.45
09-03-22 21:00	14.95	323950.9	33.83	0	0.35	13.98
09-03-22 22:00	14.95	327886.5	31.65	0	0.35	13.32
09-03-22 23:00	15.06	319231.5	24.42	0	0.67	19.12
10-03-22 0:00	15.1	303006.4	24.13	0	0.36	19.39
10-03-22 1:00	15.08	3071980	22.69	0	0.49	21.16
10-03-22 2:00	15.09	299329.6	20.17	0	0.36	22.69
10-03-22 3:00	15.06	296271.2	19.88	0	0.51	22.37
10-03-22 4:00	15.05	295348.5	20.09	0	1.02	22.08
10-03-22 5:00	15.07	293504.7	19.54	0	1.79	22.47
10-03-22 6:00	15.1	295265.7	21	0	0.54	20.91
10-03-22 7:00	15.12	295804.7	22.52	0	0.6	20.15
10-03-22 8:00	15.05	307322.2	27.54	0	0.36	17.59
10-03-22 9:00	15.05	312619.6	25.91	0	0.36	20.3
10-03-22 10:00	14.9	347947.3	24.79	0	0.35	15.06
10-03-22 11:00	14.86	341952.3	32.34	0	0.35	12.73
10-03-22 12:00	14.74	345672.9	24.91	0	0.34	9.15
10-03-22 13:00	14.8	339252.9	35.42	0	0.34	11.84
10-03-22 14:00	14.82	338619.8	35.42	0	0.34	12.17
10-03-22 15:00	14.8	334915.4	35.75	0	0.34	12.09
10-03-22 16:00	14.8	336690.1	36.26	0	0.34	11.56
10-03-22 17:00	14.83	338373	34.16	0	0.34	12.07
10-03-22 18:00	14.9	337131.8	29.84	0	0.35	14.14
10-03-22 19:00	14.92	335808.6	30.38	0	0.35	14.57
10-03-22 20:00	14.93	333957.3	30.74	0	0.35	14.65
10-03-22 21:00	14.93	337299.5	30.66	0	0.35	14.77
10-03-22 22:00	14.93	329844.3	33.66	0	0.35	16.47
10-03-22 23:00	15.02	313297.8	23.77	0	0.72	22.27
11-03-22 0:00	15.06	304117.1	24.02	0	0.42	21.33
11-03-22 1:00	15.08	302446.7	22.87	0	0.43	21.97
11-03-22 2:00	15.08	300699.3	23.23	0	0.45	21.83
11-03-22 3:00	15.07	297314.2	22.02	0	0.38	23.19
11-03-22 4:00	15.07	295045.6	19.99	0	0.56	23.87
11-03-22 5:00	15.07	294201.9	19.37	0	0.79	24.17
11-03-22 6:00	15.05	301927.5	24.55	0	0.43	20.61
11-03-22 7:00	15.12	301468	23.15	0	0.42	20.77
11-03-22 8:00	15.11	314440.7	30.32	0	0.36	17.31
11-03-22 9:00	15.1	321441.8	29	0	0.36	19.21
11-03-22 10:00	14.93	351873.8	27.86	0	0.35	14.75
11-03-22 11:00	14.83	352107.4	24.55	0	0.34	14.46
11-03-22 12:00	14.8	345707	29.46	0	0.35	11.31
11-03-22 13:00	14.76	346465.7	28.52	0	0.34	9.91
11-03-22 14:00	14.69	349093.8	23.68	0	0.34	7.14
11-03-22 15:00	14.73	344123.7	25.25	0	0.34	8.53
11-03-22 16:00	14.73	342416.3	28.01	0	0.34	8.96
11-03-22 17:00	14.77	341721.3	30.5	0	0.34	10.77
11-03-22 18:00	14.86	338096.1	37.08	0	0.35	13.19
11-03-22 19:00	14.92	333067.6	33.13	0	0.35	15.84
11-03-22 20:00	14.94	330913.7	35.13	0	0.35	15.12
11-03-22 21:00	14.97	334012.4	34.35	0	0.35	15.48
11-03-22 22:00	14.97	335770.4	37.58	0	0.35	13.14
11-03-22 23:00	15.08	314786.5	25.14	0	0.67	19.74
12-03-22 0:00	15.12	297681.2	24.49	0	0.41	18.6

12-03-22 1:00	15.08	299469.9	27.71	0	0.7	16.93	
12-03-22 2:00	15.11	295402.1	25.18	0	0.81	18.03	
12-03-22 3:00	15.14	289105.4	19.74	0	2.97	21.45	
12-03-22 4:00	15.12	290187.3	21.61	0	1.69	20.92	
12-03-22 5:00	15.13	284362.8	17.03	0	3.91	22.25	
12-03-22 6:00	15.14	284469	17.43	0	3.27	21.81	
12-03-22 7:00	15.17	279340.8	15.46	0	6.7	23.47	
12-03-22 8:00	15.15	291015.8	22.06	0	1.62	18.58	
12-03-22 9:00	15.16	301351.3	21.23	0	0.65	19.22	
12-03-22 10:00	14.95	344398.9	28.74	0	0.35	12.18	
12-03-22 11:00	14.86	342629	37.3	0	0.35	9.82	
12-03-22 12:00	14.83	338200.2	35.79	0	0.34	10.79	
12-03-22 13:00	14.82	336168.1	35.93	0	0.34	10.98	
12-03-22 14:00	14.8	335558.2	36.39	0	0.34	10.76	
12-03-22 15:00	14.79	335301	35.5	0	0.34	10.94	
12-03-22 16:00	14.8	333837.9	36.44	0	0.34	11.12	
12-03-22 17:00	14.81	335819.2	35.96	0	0.34	11.09	
12-03-22 18:00	14.89	336491	32.26	0	0.35	12.24	
12-03-22 19:00	14.94	337192.1	30.21	0	0.35	12.86	
12-03-22 20:00	14.97	336659.2	28.93	0	0.35	13.66	
12-03-22 21:00	14.99	337602	30.39	0	0.35	12.95	
12-03-22 22:00	15.02	338968.6	27.74	0	0.35	14.22	
12-03-22 23:00	14.73	380590.4	15.86	0	0.34	6.3	
13-03-22 0:00	14.66	392925.8	11.68	0	0.33	5.94	
13-03-22 1:00	14.64	394969.7	11.66	0	0.33	6.8	
13-03-22 2:00	14.64	394074	11.59	0	0.33	6.4	
13-03-22 3:00	14.63	396195.1	10.29	0	0.33	6.69	
13-03-22 4:00	14.62	397094.4	6.03	0	0.33	7.13	
13-03-22 5:00	14.62	398188.8	5.87	0	0.33	7.34	
13-03-22 6:00	14.62	397933.3	5.18	0	0.33	7.76	
13-03-22 7:00	14.63	397117.8	5.66	0	0.33	8.41	
13-03-22 8:00	14.64	394466.6	8.79	0	0.33	7.43	
13-03-22 9:00	14.64	389679	11.18	0	0.33	7.15	
13-03-22 10:00	14.61	386061.8	12.25	0	0.33	6.78	
13-03-22 11:00	14.55	383609.7	11.28	0	0.33	6.55	
13-03-22 12:00	14.53	382718.4	10.93	0	0.33	6.43	
13-03-22 13:00	14.57	381379.3	10.88	0	0.33	6.32	
13-03-22 14:00	14.57	380049.3	10.99	0	0.33	6.38	
13-03-22 15:00	14.57	379973	11.16	0	0.33	6.37	
13-03-22 16:00	14.57	378968.8	11.17	0	0.33	6.45	
13-03-22 17:00	14.6	381623.6	11.81	0	0.33	6.26	
13-03-22 18:00	14.75	356254.1	23.6	0	0.34	9.35	
13-03-22 19:00	14.96	321003.3	31.03	0	0.35	13.6	
13-03-22 20:00	15	314240.3	33.52	0	0.35	12.21	
13-03-22 21:00	15.02	314396.2	28.73	0	0.35	14.36	
13-03-22 22:00	14.88	352649.3	17.63	0	0.35	13.08	
13-03-22 23:00	14.63	391336.10	11.13	0.00	0.33	6.25	
14-03-22 0:00	14.63	392341.10	11.59	0.00	0.33	6.93	
14-03-22 1:00	14.64	392437.90	13.05	0.00	0.33	8.07	
14-03-22 2:00	14.65	391432.40	15.41	0.00	0.33	9.41	
14-03-22 3:00	14.62	393699.10	12.72	0.00	0.33	7.74	
14-03-22 4:00	14.61	395596.80	10.95	0.00	0.33	7.59	
14-03-22 5:00	14.61	395375.60	9.20	0.00	0.33	7.34	
14-03-22 6:00	14.61	396275.90	6.78	0.00	0.33	7.84	
14-03-22 7:00	14.62	395776.90	7.23	0.00	0.33	7.63	
14-03-22 8:00	14.96	333809.00	18.85	0.00	0.69	19.90	
14-03-22 9:00	15.07	309798.80	24.23	0.00	0.36	20.19	
14-03-22 10:00	14.88	344513.20	31.12	0.00	0.35	12.72	
14-03-22 11:00	14.83	338632.60	35.53	0.00	0.34	11.08	
14-03-22 12:00	14.82	333938.80	36.65	0.00	0.34	11.44	
14-03-22 13:00	14.82	331582.60	37.06	0.00	0.34	11.76	
14-03-22 14:00	14.81	329799.90	37.04	0.00	0.34	12.12	
14-03-22 15:00	14.81	329299.90	37.95	0.00	0.34	12.18	
14-03-22 16:00	14.81	330489.10	37.96	0.00	0.34	12.07	
14-03-22 17:00	14.82	331991.50	37.72	0.00	0.34	12.04	
14-03-22 18:00	14.86	334063.10	37.45	0.00	0.34	11.98	
14-03-22 19:00	14.90	337133.90	34.13	0.00	0.35	12.39	
14-03-22 20:00	14.93	337734.40	31.50	0.00	0.35	12.91	
14-03-22 21:00	14.96	334998.20	30.68	0.00	0.35	13.87	
14-03-22 22:00	14.91	344167.00	31.06	0.00	0.35	11.99	
14-03-22 23:00	15.08	313375.00	18.09	0.00	0.79	18.01	
15-03-22 0:00	15.06	296321.50	22.73	0.00	0.36	16.14	
15-03-22 1:00	15.06	295234.70	22.01	0.00	0.36	16.08	
15-03-22 2:00	15.06	294073.90	21.10	0.00	0.92	16.99	
15-03-22 3:00	15.07	293909.90	21.29	0.00	0.49	19.59	
15-03-22 4:00	15.12	290640.20	19.03	0.00	1.41	21.16	
15-03-22 5:00	15.16	288081.80	15.20	0.00	4.07	25.66	
15-03-22 6:00	15.12	292775.30	21.48	0.00	0.82	20.45	
15-03-22 7:00	15.14	291879.30	20.17	0.00	0.61	21.28	
15-03-22 8:00	15.07	307107.50	27.69	0.00	0.35	17.93	
15-03-22 9:00	15.02	320018	30.7	0	0.35	17.7	
15-03-22 10:00	14.82	347659.7	28.66	0	0.34	11.33	
15-03-22 11:00	14.71	350142.1	23.16	0	0.34	7.16	
15-03-22 12:00	14.82	335264.8	35.86	0	0.34	12.13	
15-03-22 13:00	14.78	338134.9	31.94	0	0.34	9.66	
15-03-22 14:00	<Samp	342067.3	<Samp	<Samp	<Samp	<Samp	
15-03-22 15:00	14.96	329385.1	39.01	0.12	0.35	12.13	
15-03-22 16:00	15.01	329031.4	39.47	0.22	0.35	12.55	
15-03-22 17:00	15.03	328855.9	39.87	0.21	0.36	12.49	
15-03-22 18:00	15.03	334169.9	38.14	0.15	0.36	12.1	
15-03-22 19:00	15.08	337338.3	33.8	0.04	0.36	12.43	

15-03-22 20:00	15.12	332642.7	30.58	0.03	0.36	13.71
15-03-22 21:00	15.14	329189.5	31.42	0.01	0.36	14.2
15-03-22 22:00	15.14	323966.8	34.01	0.01	0.36	14.12
15-03-22 23:00	15.19	311629.9	29.1	0.05	0.49	17.63
16-03-22 0:00	15.23	296520.9	25.8	0.06	0.37	18.8
16-03-22 1:00	15.24	295474.7	24.81	0.1	0.4	19.26
16-03-22 2:00	15.23	297102.3	25.61	0.14	0.44	18.72
16-03-22 3:00	15.23	294256.3	24.3	0.19	0.37	19.15
16-03-22 4:00	15.26	290586.3	20.22	0.29	0.93	21.85
16-03-22 5:00	15.28	290504.2	19.95	0.42	1.08	24.17
16-03-22 6:00	15.26	294596.5	24.87	0.27	0.65	19.64
16-03-22 7:00	15.29	295235.8	21.2	0.3	0.97	21.68
16-03-22 8:00	15.25	307231.8	27.94	0.17	0.53	18.62
16-03-22 9:00	15.26	313810.7	26.7	0.13	0.37	21.25
16-03-22 10:00	15.2	341020.2	20.19	0.05	0.37	22.47
16-03-22 11:00	15.19	336393.6	28.03	0	0.37	21.24
16-03-22 12:00	15.1	340504.8	36.32	0	0.36	14.32
16-03-22 13:00	15.06	338039.5	35.7	0	0.36	12.48
16-03-22 14:00	15.09	338634.8	30.14	0.01	0.36	14.3
16-03-22 15:00	15.12	326368.4	36.26	0.21	0.36	14.45
16-03-22 16:00	15.14	322755	35	0.24	0.36	14.71
16-03-22 17:00	15.15	318519.1	33.9	0.46	0.36	14.54
16-03-22 18:00	15.18	315738.5	34.12	0.46	0.36	14.07
16-03-22 19:00	15.18	315679.5	33.88	0.45	0.36	14.52
16-03-22 20:00	15.17	331891.7	35.37	0.57	0.36	14.72
16-03-22 21:00	15.18	330185.3	35.42	0.65	0.36	15.38
16-03-22 22:00	15.17	333911.8	36.84	0.67	0.36	14.02
16-03-22 23:00	15.28	311434.2	24.82	0.82	0.66	21.11
17-03-22 0:00	15.29	297746.8	25.64	0.89	0.56	20.16
17-03-22 1:00	15.28	305336.6	24.33	0.99	0.37	21.01
17-03-22 2:00	15.27	295974.1	24.58	0.94	0.6	20.84
17-03-22 3:00	15.26	295006.8	23.54	0.97	0.67	21.37
17-03-22 4:00	15.25	293458.5	24.59	1.06	0.69	20.53
17-03-22 5:00	15.3	287456	16.89	1.17	0.91	26.31
17-03-22 6:00	15.28	298882.4	23.55	1.12	0.49	22.09
17-03-22 7:00	15.28	296200.8	21.34	1.12	0.76	23.73
17-03-22 8:00	15.23	308629.9	28.86	0.87	0.37	19.57
17-03-22 9:00	15.22	316572.4	28.82	0.63	0.37	21.17
17-03-22 10:00	15.06	349134.9	23.5	0.17	0.36	14.95
17-03-22 11:00	15.06	343006.6	32.17	0.08	0.36	13.46
17-03-22 12:00	15.05	341367.7	35.5	0.01	0.36	13.05
17-03-22 13:00	15.02	339289.5	35.93	0.01	0.35	12.97
17-03-22 14:00	14.97	336107.9	36.2	0.09	0.35	13.22
17-03-22 15:00	14.95	334119.3	36.05	0.26	0.35	13.51
17-03-22 16:00	14.97	335651.8	35.62	0.31	0.35	13.41
17-03-22 17:00	15.04	335864.7	33.95	0.2	0.36	13.37
17-03-22 18:00	15.11	326789.9	35.62	0.23	0.36	14.81
17-03-22 19:00	15.14	336711.9	30.96	0.25	0.36	15.99
17-03-22 20:00	15.12	326063.4	35.77	0.18	0.36	15.97
17-03-22 21:00	15.13	322455.1	33.95	0.15	0.36	16.73
17-03-22 22:00	15.13	321672.6	33.35	0.28	0.36	17.57
17-03-22 23:00	15.22	305927.7	24.49	0.21	0.8	19.72
18-03-22 0:00	15.27	294636.9	19.91	0.29	0.78	21.35
18-03-22 1:00	15.24	300229.5	22.29	0.25	0.37	20.02
18-03-22 2:00	15.25	298092.3	19.38	0.37	0.56	21.87
18-03-22 3:00	15.25	294122.8	19.05	0.37	0.5	21.99
18-03-22 4:00	15.26	290276	17.3	0.42	0.63	22.88
18-03-22 5:00	15.24	293128.8	19.95	0.51	0.79	21.47
18-03-22 6:00	15.24	296001	20.39	0.41	0.37	21.16
18-03-22 7:00	15.28	294417.6	16.02	0.55	0.98	24.93
18-03-22 8:00	15.24	307928.9	25.08	0.27	0.37	20.2
18-03-22 9:00	15.23	310255.8	25.92	0.28	0.37	20.27
18-03-22 10:00	15.11	344951.4	25.35	0.06	0.36	16.62
18-03-22 11:00	15.03	343739.3	34.91	0	0.36	13.85
18-03-22 12:00	14.99	342193.3	34.63	0.02	0.35	13.77
18-03-22 13:00	15.03	348151	26.28	0.05	0.36	13.11
18-03-22 14:00	15.1	336673.5	34.39	0.34	0.36	14.84
18-03-22 15:00	15.09	332793.7	35.3	0.69	0.36	15.69
18-03-22 16:00	15.11	336511.3	32.99	0.84	0.36	15.92
18-03-22 17:00	15.14	332628.4	32.76	0.88	0.36	17.61
18-03-22 18:00	15.14	330600.7	35.47	0.98	0.36	15.59
18-03-22 19:00	15.14	333720.8	34.92	0.91	0.36	15.26
18-03-22 20:00	15.15	333739	33.69	0.99	0.36	15.69
18-03-22 21:00	15.17	332580.3	32.16	1.02	0.36	16.52
18-03-22 22:00	15.13	336206.2	33.82	1	0.36	15
18-03-22 23:00	15.25	312978.6	21.16	1.13	0.71	20.59
19-03-22 0:00	15.25	297525.3	23.23	1.15	0.77	18.67
19-03-22 1:00	15.27	287754.7	21.37	1.29	0.57	19.95
19-03-22 2:00	15.25	292002.5	19.07	1.28	0.67	20.98
19-03-22 3:00	15.26	295434.2	20.21	1.28	0.86	20.16
19-03-22 4:00	15.26	290118.5	19.1	1.31	1.31	20.64
19-03-22 5:00	15.26	286240.3	18.53	1.36	2.66	21.12
19-03-22 6:00	15.28	262811.8	16.88	1.3	3.91	21.95
19-03-22 7:00	15.31	279181.8	14.91	1.31	2.64	21.64
19-03-22 8:00	15.27	292527.9	22.63	1.16	0.63	20.12
19-03-22 9:00	15.26	302270.6	23.84	1	0.38	19.89
19-03-22 10:00	15.13	336196	28.35	0.76	0.36	18.15
19-03-22 11:00	15.11	324967	35.27	0.52	0.36	16.02
19-03-22 12:00	15.07	336957.4	35.24	0.36	0.36	15.94
19-03-22 13:00	15.05	330256.6	33	0.26	0.36	15.58
19-03-22 14:00	15.03	340628.3	26.44	0.16	0.36	15.46

19-03-22 15:00	15.02	340253.9	30.01	0.09	0.35	15.28	
19-03-22 16:00	15	340778.8	32.01	0.02	0.35	14.02	
19-03-22 17:00	15.02	341017.8	31.18	0.08	0.35	14.56	
19-03-22 18:00	15.05	326398.9	32.34	0.14	0.36	16.34	
19-03-22 19:00	15.07	323109.5	33.28	0.16	0.36	16.25	
19-03-22 20:00	15.1	322845.9	33.86	0.2	0.36	16.41	
19-03-22 21:00	15.1	324633.4	33.08	0.12	0.36	17.31	
19-03-22 22:00	15.1	332859.3	31.79	0.26	0.36	17.29	
19-03-22 23:00	14.89	378781.6	11.23	0.26	0.35	12.71	
20-03-22 0:00	14.75	396111.3	6.75	0.22	0.34	8.47	
20-03-22 1:00	14.74	397893.3	5.92	0.29	0.34	8.91	
20-03-22 2:00	14.73	397607.3	6.86	0.41	0.34	8.82	
20-03-22 3:00	14.74	397623.3	7.14	0.53	0.34	8.64	
20-03-22 4:00	14.75	397552.7	7.03	0.62	0.34	8.36	
20-03-22 5:00	14.74	397445.4	7.25	0.63	0.34	7.97	
20-03-22 6:00	14.76	398038.3	6.89	0.64	0.34	7.61	
20-03-22 7:00	14.78	398275.4	6.61	0.65	0.34	7.33	
20-03-22 8:00	14.8	397257.3	5.94	0.56	0.34	7.04	
20-03-22 9:00	14.79	394504.8	9.63	0.38	0.34	6.93	
20-03-22 10:00	14.77	390809.1	12.14	0.09	0.34	6.61	
20-03-22 11:00	14.73	386245.4	14.04	0.01	0.34	6.2	
20-03-22 12:00	14.71	383503.3	13.48	0.02	0.34	5.94	
20-03-22 13:00	14.7	381204.2	12.67	0.01	0.34	5.99	
20-03-22 14:00	14.66	381323.4	12.57	0.17	0.33	5.94	
20-03-22 15:00	14.66	381384	12.61	0.28	0.33	5.9	
20-03-22 16:00	14.66	382111.3	12.74	0.36	0.33	5.89	
20-03-22 17:00	14.71	384874.1	12.87	0.04	0.34	6.1	
20-03-22 18:00	14.84	368846.2	19.19	0.08	0.34	9.12	
20-03-22 19:00	15.12	326788	33.19	0.31	0.36	15.27	
20-03-22 20:00	15.14	313173.1	32.88	0.36	0.36	14.19	
20-03-22 21:00	15.15	324197.3	32.45	0.35	0.36	15.38	
20-03-22 22:00	15	366189.3	18.62	0.13	0.35	12.32	
20-03-22 23:00	14.79	395565.1	11.99	0.06	0.34	7.15	
21-03-22 0:00	14.78	396771.1	6.85	0.11	0.34	7.37	
21-03-22 1:00	14.78	396297.5	6.24	0.1	0.34	7.4	
21-03-22 2:00	14.77	396763.9	6.58	0.14	0.34	7.49	
21-03-22 3:00	14.77	396447.3	6.55	0.21	0.34	7.66	
21-03-22 4:00	14.77	397106.4	6.41	0.22	0.34	7.78	
21-03-22 5:00	14.77	396788.2	6.44	0.22	0.34	7.64	
21-03-22 6:00	14.77	397923.6	6.24	0.24	0.34	7.66	
21-03-22 7:00	14.78	395891	7.06	0.25	0.34	7.94	
21-03-22 8:00	15.15	332694	21.45	0.34	0.36	18.65	
21-03-22 9:00	15.24	319057.4	20.67	0.3	0.37	21.8	
21-03-22 10:00	15.04	354004.9	19.09	0.02	0.36	12.25	
21-03-22 11:00	14.99	352963	19.96	0	0.36	8.69	
21-03-22 12:00	15.04	347279.3	26.67	0	0.36	10.28	
21-03-22 13:00	14.97	348133.8	22.75	0	0.35	8.19	
21-03-22 14:00	14.83	353871.8	20.19	0.12	0.34	6.35	
21-03-22 15:00	14.92	345064.5	25.79	0.23	0.35	10.43	
21-03-22 16:00	14.95	347691.5	22.03	0.1	0.35	8.91	
21-03-22 17:00	15.03	342618.7	34.41	0.05	0.36	11.9	
21-03-22 18:00	15.12	339947	28.22	0.03	0.36	17	
21-03-22 19:00	15.08	333193.7	34.06	0.06	0.36	15.15	
21-03-22 20:00	15.11	327699.4	33.86	0.11	0.36	15.83	
21-03-22 21:00	15.13	332165.8	35.03	0.16	0.36	14.95	
21-03-22 22:00	15.13	334649.6	35.53	0.15	0.36	14.7	
21-03-22 23:00	15.24	309787.8	24.42	0.28	0.65	19.14	
22-03-22 0:00	15.21	300851.7	28.07	0.38	0.37	16.29	
22-03-22 1:00	15.2	300951.3	28.07	0.32	0.37	16.58	
22-03-22 2:00	15.19	301237.8	27.66	0.52	0.37	16.47	
22-03-22 3:00	15.24	296359.3	22.72	0.69	1.46	19.65	
22-03-22 4:00	15.26	292537.4	21.41	0.69	2.27	20.56	
22-03-22 5:00	15.29	289632	17.89	0.7	1.34	21.02	
22-03-22 6:00	15.26	293143.4	23.3	0.71	0.44	18.06	
22-03-22 7:00	15.29	299962.4	20.04	0.59	0.8	20.42	
22-03-22 8:00	15.27	314915.2	23.78	0.6	0.37	19.51	
22-03-22 9:00	15.24	325611.6	27.98	0.29	0.37	18.52	
22-03-22 10:00	15.07	352937.2	22.31	0.02	0.36	11.8	
22-03-22 11:00	14.98	354779.2	24.38	0.01	0.35	7.86	
22-03-22 12:00	14.92	348251.2	34.22	0.06	0.36	9.04	
22-03-22 13:00	15.04	340896.1	39.02	0.05	0.36	11.23	
22-03-22 14:00	15.02	339848.8	38.19	0.02	0.35	11.39	
22-03-22 15:00	15.01	334348.3	35.73	0.19	0.35	13.1	
22-03-22 16:00	15.01	328761.3	36.46	0.26	0.35	13.77	
22-03-22 17:00	15.05	333909.2	33.11	0.33	0.36	14.47	
22-03-22 18:00	15.09	327858.2	35.41	0.36	0.35	15.53	
22-03-22 19:00	15.09	328999.7	35.19	0.33	0.36	15.61	
22-03-22 20:00	15.11	328349.5	35.53	0.37	0.36	15.73	
22-03-22 21:00	15.13	327833.5	35.54	0.33	0.36	15.78	
22-03-22 22:00	15.14	324710.2	34.22	0.27	0.36	15.81	
22-03-22 23:00	15.22	305092.9	28.39	0.3	0.37	17.41	
23-03-22 0:00	15.25	295610.4	26.45	0.36	0.37	17.48	
23-03-22 1:00	15.25	297857	25.98	0.43	0.37	16.3	
23-03-22 2:00	15.23	294407.3	26.44	0.5	0.37	15.92	
23-03-22 3:00	15.22	295577.7	25.69	0.58	0.37	16.41	
23-03-22 4:00	15.25	290124.3	22.22	0.83	1.67	18.19	
23-03-22 5:00	15.27	291666.7	23.04	0.83	2.1	17.98	
23-03-22 6:00	15.28	291944.8	21.7	0.81	2.13	18.82	
23-03-22 7:00	15.29	292993	21.52	0.7	0.8	18.78	
23-03-22 8:00	15.27	310163.7	24.54	0.55	0.37	17.76	
23-03-22 9:00	15.23	318998	29.33	0.19	0.37	16.29	

23-03-22 10:00	15.08	350305.3	24.2	0.02	0.36	12.37
23-03-22 11:00	15.01	347203.6	27.64	0.01	0.35	11.28
23-03-22 12:00	15.04	344602.1	28.73	0.02	0.36	13.36
23-03-22 13:00	15.04	345330.2	28.34	0	0.36	12
23-03-22 14:00	15	341312.9	36.86	0.01	0.35	11.16
23-03-22 15:00	14.95	340159.6	37.46	0.12	0.35	11.16
23-03-22 16:00	14.97	338869.3	34.96	0.27	0.35	12.25
23-03-22 17:00	15.05	339256.4	34.47	0.15	0.36	12.32
23-03-22 18:00	15.12	337631.4	29.93	0.04	0.36	14.52
23-03-22 19:00	15.09	339799	33.7	0.02	0.36	12.96
23-03-22 20:00	15.18	319741	26.29	0.12	0.36	19.74
23-03-22 21:00	15.12	332652	36.23	0.17	0.36	16.45
23-03-22 22:00	15.13	330912.4	35.24	0.18	0.36	16.57
23-03-22 23:00	15.23	302624.3	24.29	0.27	0.37	19.88
24-03-22 0:00	15.22	296730.7	25.84	0.27	0.37	17.95
24-03-22 1:00	15.24	295290.8	23.88	0.34	0.57	18.89
24-03-22 2:00	15.23	294744.5	24.75	0.41	0.37	18.6
24-03-22 3:00	15.23	292617.5	23.92	0.49	0.37	19.03
24-03-22 4:00	15.23	290682.5	23.45	0.47	0.42	19.38
24-03-22 5:00	15.29	282990.3	15.85	0.67	5.35	24.77
24-03-22 6:00	15.26	285128.5	18.78	0.67	3.01	22.1
24-03-22 7:00	15.27	288096.3	20.18	0.56	1.92	19.65
24-03-22 8:00	15.25	307437.2	23.55	0.39	0.37	18.84
24-03-22 9:00	15.25	313062.4	24.03	0.09	0.37	18.46
24-03-22 10:00	15.08	345946.6	28.64	0.01	0.36	13.35
24-03-22 11:00	15	343963	33.94	0.02	0.35	13.97
24-03-22 12:00	14.99	342494.9	34.46	0.06	0.35	11.92
24-03-22 13:00	14.99	344897.6	33.65	0.02	0.35	10.24
24-03-22 14:00	14.89	349502.7	25.14	0.07	0.35	7.3
24-03-22 15:00	14.97	343042.1	28.99	0.19	0.35	11.33
24-03-22 16:00	15.09	343324.5	28.16	0.11	0.36	16.4
24-03-22 17:00	15.1	329383.7	31.14	0.11	0.36	16.88
24-03-22 18:00	15.09	328547.7	34.95	0.1	0.36	16.22
24-03-22 19:00	15.09	330016.8	34.51	0.13	0.36	16.7
24-03-22 20:00	15.11	325621.3	33.33	0.14	0.36	17.17
24-03-22 21:00	15.13	322095.4	31.82	0.16	0.36	17.52
24-03-22 22:00	15.14	322608.3	32.35	0.12	0.36	17.92
24-03-22 23:00	15.24	306458.1	20.76	0.24	0.79	23.12
25-03-22 0:00	15.25	298950.5	21.03	0.28	0.37	22.76
25-03-22 1:00	15.24	300233.4	21.39	0.33	0.4	22.76
25-03-22 2:00	15.25	297020.1	21.21	0.42	0.66	21.83
25-03-22 3:00	15.24	297611.8	23.34	0.37	0.37	19.92
25-03-22 4:00	15.26	296493	20.18	0.52	0.44	21.73
25-03-22 5:00	15.28	288735.4	18.32	0.59	2.76	22.98
25-03-22 6:00	15.26	290070.5	19.79	0.6	1.37	21.51
25-03-22 7:00	15.29	293014.5	18.92	0.64	1.12	22.36
25-03-22 8:00	15.25	307459.1	27.01	0.42	0.37	17.96
25-03-22 9:00	15.23	317485.2	28.08	0.15	0.37	18.97
25-03-22 10:00	15.03	349574.6	34.39	0.03	0.36	13.6
25-03-22 11:00	15.01	341485.4	39.38	0.06	0.35	11.25
25-03-22 12:00	15.02	339385.8	39.6	0.15	0.35	10.79
25-03-22 13:00	14.98	336702.8	39.3	0.15	0.35	10.79
25-03-22 14:00	14.97	333554.8	39.89	0.3	0.35	10.75
25-03-22 15:00	14.98	333608.3	40.43	0.27	0.35	10.75
25-03-22 16:00	14.98	340764	37.12	0.3	0.35	10.22
25-03-22 17:00	15.06	341333.7	34.55	0.11	0.36	11.52
25-03-22 18:00	15.13	339602.7	29.76	0.05	0.36	13.38
25-03-22 19:00	15.12	336748.4	31.15	0.04	0.36	12.54
25-03-22 20:00	15.11	331858.1	36.85	0.04	0.36	12.88
25-03-22 21:00	15.13	330984.9	37.03	0.07	0.36	13.43
25-03-22 22:00	15.16	338512.3	34.51	0.08	0.36	13.43
25-03-22 23:00	15.26	307316.40	24.17	0.07	1.15	16.96
26-03-22 0:00	15.27	298499.80	23.36	0.14	0.54	17.73
26-03-22 1:00	15.27	295345.50	22.05	0.15	0.62	18.49
26-03-22 2:00	15.27	294624.20	22.09	0.25	0.41	18.35
26-03-22 3:00	15.29	292362.19	20.16	0.21	1.32	19.63
26-03-22 4:00	15.32	289252.70	15.91	0.32	2.28	22.58
26-03-22 5:00	15.35	284223.30	15.49	0.44	3.94	22.40
26-03-22 6:00	15.41	279165.30	11.73	0.36	8.03	24.96
26-03-22 7:00	15.46	275365.80	10.83	0.48	8.10	30.91
26-03-22 8:00	15.40	284119.90	19.26	0.12	0.94	26.50
26-03-22 9:00	15.39	290878.4	21.04	0.05	1.56	20.54
26-03-22 10:00	15.11	345130.5	31.76	0.01	0.36	12.56
26-03-22 11:00	15.07	340018.8	36.44	0.01	0.36	11.74
26-03-22 12:00	15.06	337142.6	37.13	0.1	0.36	11.6
26-03-22 13:00	15.04	335598.6	39.78	0.13	0.36	11.15
26-03-22 14:00	15	332221.1	37.72	0.24	0.35	12.23
26-03-22 15:00	15.03	332987.8	36.08	0.32	0.35	12.37
26-03-22 16:00	15.01	333460.5	38.66	0.33	0.35	11.87
26-03-22 17:00	15.06	332512.3	35.76	0.17	0.36	12.71
26-03-22 18:00	15.13	333650.7	33.65	0.15	0.36	12.72
26-03-22 19:00	15.19	334659.3	29.43	0.04	0.36	14.44
26-03-22 20:00	15.19	331938.1	28.02	0.02	0.37	15.65
26-03-22 21:00	15.15	329597.1	34	0.03	0.36	15.23
26-03-22 22:00	15.15	331343.6	35.92	0.07	0.36	15.44
26-03-22 23:00	15.16	332026.8	33.26	0.09	0.36	14.53
27-03-22 0:00	15.17	329200.5	30.46	0.14	0.36	13.85
27-03-22 1:00	14.84	390197.4	14.27	0.1	0.34	7.38
27-03-22 2:00	14.78	396019.4	13.48	0.12	0.34	6.48
27-03-22 3:00	14.78	395372.5	13.26	0.13	0.34	7.95
27-03-22 4:00	14.78	395759.8	12.46	0.18	0.34	6.83

27-03-22 5:00	14.78	396889.7	7.93	0.2	0.34	6.38	
27-03-22 6:00	14.78	397291.3	7.89	0.09	0.34	6.3	
27-03-22 7:00	14.8	395883	10.8	0.08	0.34	6.45	
27-03-22 8:00	14.81	392430.7	13.64	0	0.34	5.68	
27-03-22 9:00	14.82	388656.1	16.27	0	0.34	5.63	
27-03-22 10:00	14.78	385450.8	15.5	0	0.34	5.54	
27-03-22 11:00	14.75	384344.6	14.09	0	0.34	5.66	
27-03-22 12:00	14.74	385196.3	13.39	0.01	0.34	5.45	
27-03-22 13:00	14.74	383465.4	13.15	0.05	0.34	5.63	
27-03-22 14:00	14.7	382281.2	12.8	0.19	0.34	5.61	
27-03-22 15:00	14.69	382477.1	12.55	0.29	0.34	5.5	
27-03-22 16:00	14.68	383542.1	12.76	0.36	0.34	5.39	
27-03-22 17:00	14.71	385687.1	14.54	0.24	0.34	5.28	
27-03-22 18:00	14.78	390033.4	15.76	0.06	0.34	5.13	
27-03-22 19:00	14.8	392485.3	12.52	0.03	0.34	5.35	
27-03-22 20:00	14.82	393010.6	12.83	0.04	0.34	5.47	
27-03-22 21:00	14.82	392986	12.42	0.02	0.34	5.56	
27-03-22 22:00	14.82	393781.8	13.25	0.01	0.34	5.82	
27-03-22 23:00	14.82	392516.7	12.97	0.03	0.34	6.12	
28-03-22 0:00	14.81	393286.4	12.72	0.05	0.34	5.96	
28-03-22 1:00	14.83	392846.1	15.87	0.08	0.34	7.05	
28-03-22 2:00	14.84	391812.1	19.92	0.17	0.34	8.11	
28-03-22 3:00	14.82	393019	17.51	0.22	0.34	7.61	
28-03-22 4:00	14.79	396659.2	8.25	0.26	0.34	6.18	
28-03-22 5:00	14.8	398531.1	8.19	0.34	0.34	6	
28-03-22 6:00	14.81	399911.3	7.72	0.41	0.34	6	
28-03-22 7:00	14.82	399636.2	7.4	0.47	0.34	5.8	
28-03-22 8:00	15.12	353471.6	20.87	0.62	0.53	12.3	
28-03-22 9:00	15.3	301331.8	28.99	0.58	0.37	13.2	
28-03-22 10:00	15.17	3383022.2	34.39	0.36	0.37	11.69	
28-03-22 11:00	15.09	345767.2	30.12	0.09	0.37	9.87	
28-03-22 12:00	15.03	344350.3	37.41	0.01	0.36	9.31	
28-03-22 13:00	15	339340.2	38.16	0.11	0.35	10.13	
28-03-22 14:00	14.96	338026	36.02	0.4	0.35	10.65	
28-03-22 15:00	14.82	340521.6	32.93	0.48	0.35	8.93	
28-03-22 16:00	14.99	346255.4	33.19	0.32	0.35	9.3	
28-03-22 17:00	15.07	328632.4	36.68	0.25	0.36	13.19	
28-03-22 18:00	15.09	329106.3	37.18	0.3	0.36	12.83	
28-03-22 19:00	15.13	326291.3	37.12	0.29	0.36	13.07	
28-03-22 20:00	15.16	319776	35.96	0.28	0.36	13.06	
28-03-22 21:00	15.18	316827.4	35.41	0.29	0.36	12.91	
28-03-22 22:00	15.18	315602.6	34.58	0.36	0.36	13.26	
28-03-22 23:00	15.28	299902.4	24.28	0.41	0.91	15.93	
29-03-22 0:00	15.3	295097.4	22.15	0.49	0.41	18.27	
29-03-22 1:00	15.29	293246.8	20.24	0.59	0.58	19.18	
29-03-22 2:00	15.27	294998.6	22.4	0.66	0.72	18.1	
29-03-22 3:00	15.29	292789.2	19.15	0.7	0.61	19.79	
29-03-22 4:00	15.29	295408.5	19.57	0.79	1.03	19.72	
29-03-22 5:00	15.31	291143.3	17.49	0.76	0.94	20.89	
29-03-22 6:00	15.31	291066.5	17.87	0.85	2.34	20.76	
29-03-22 7:00	15.31	295700.9	20.1	0.79	1.38	18.47	
29-03-22 8:00	15.29	301494.9	25.75	0.58	0.37	14.95	
29-03-22 9:00	15.27	303965.9	27.47	0.34	0.37	14.52	
29-03-22 10:00	15.14	335828.7	33.8	0.26	0.36	12.54	
29-03-22 11:00	15.12	327030.1	38.22	0.02	0.36	13.53	
29-03-22 12:00	15.04	336363.6	38.3	0.04	0.36	11.41	
29-03-22 13:00	15.01	342877.4	38.98	0.01	0.35	10.12	
29-03-22 14:00	14.97	345892.8	33.77	0	0.35	8.99	
29-03-22 15:00	14.96	341300.6	35.42	0.01	0.35	10.05	
29-03-22 16:00	14.94	341614.5	33.94	0.13	0.35	9.69	
29-03-22 17:00	15.08	331113.8	33.17	0.13	0.36	13.05	
29-03-22 18:00	15.11	329172.1	38.58	0.06	0.36	12.45	
29-03-22 19:00	15.11	327890.3	37.59	0.11	0.36	13.24	
29-03-22 20:00	15.12	327033.8	37.02	0.2	0.36	13.47	
29-03-22 21:00	15.13	324871.9	36.5	0.2	0.36	13.59	
29-03-22 22:00	15.16	320946.1	36.39	0.28	0.36	13.17	
29-03-22 23:00	15.24	302872.7	24.95	0.42	0.93	16.33	
30-03-22 0:00	15.25	295715.9	24.34	0.38	0.37	16.09	
30-03-22 1:00	15.24	296614.3	23.97	0.53	0.46	16.25	
30-03-22 2:00	15.25	294951.6	22.05	0.58	0.65	16.85	
30-03-22 3:00	15.24	294680.7	22.31	0.56	0.48	16.42	
30-03-22 4:00	15.27	290724.2	17.78	0.69	0.66	18.82	
30-03-22 5:00	15.28	286027.3	18.5	0.75	3.52	18.24	
30-03-22 6:00	15.27	293418.4	21.72	0.73	0.87	16.82	
30-03-22 7:00	15.3	298676.3	22.76	0.78	0.5	16.29	
30-03-22 8:00	15.24	315570.7	30.71	0.67	0.37	14.36	
30-03-22 9:00	15.25	321122.5	28.7	0.52	0.37	16.07	
30-03-22 10:00	15.1	349896.8	27.97	0.09	0.36	12.18	
30-03-22 11:00	15.05	345087.4	30.59	0.01	0.36	11.05	
30-03-22 12:00	14.94	351157.6	24.13	0.35	0.35	8.46	
30-03-22 13:00	14.95	349493.6	21.77	0.04	0.35	7.35	
30-03-22 14:00	14.84	355228.9	19.6	0.06	0.34	5.47	
30-03-22 15:00	15	341762.3	27.49	0.11	0.35	11.5	
30-03-22 16:00	15.02	342027	26.46	0.03	0.35	10.5	
30-03-22 17:00	15.05	340151	35.02	0.02	0.36	11.88	
30-03-22 18:00	15.09	331648.5	32.12	0.02	0.36	14.45	
30-03-22 19:00	15.12	338657.7	29.33	0	0.36	14.72	
30-03-22 20:00	15.14	341018.6	30.38	0.02	0.36	14.07	
30-03-22 21:00	15.16	334885.7	27.52	0.05	0.36	17.3	
30-03-22 22:00	15.11	327282.5	34.87	0.06	0.36	15.01	
30-03-22 23:00	15.23	307479	25.7	0.13	1	19.56	

31-03-22 0:00	15.25	302405.2	25.96	0.19	0.57	18.98	
31-03-22 1:00	15.25	299658.8	25	0.24	0.37	19.19	
31-03-22 2:00	15.26	297137.1	22.83	0.21	0.55	20.3	
31-03-22 3:00	15.24	297889.8	26.27	0.31	0.47	18.56	
31-03-22 4:00	15.24	295281.3	24.23	0.4	0.67	20.41	
31-03-22 5:00	15.29	291819.4	19.25	0.59	1.45	24.46	
31-03-22 6:00	15.3	290411.6	19.07	0.62	2.19	24.86	
31-03-22 7:00	15.34	287084.6	17.06	0.64	3.9	26.51	
31-03-22 8:00	15.3	307684.4	24.41	0.46	0.37	21.23	
31-03-22 9:00	15.34	310295.8	17.57	0.37	0.37	28.68	
31-03-22 10:00	15.12	348672.2	28.67	0.08	0.36	18.36	
31-03-22 11:00	15.07	343428.8	40.04	0.01	0.36	13.25	
31-03-22 12:00	15.02	344821.8	32.56	0.02	0.35	10.66	
31-03-22 13:00	14.95	347877.9	26.88	0.04	0.35	8.25	
31-03-22 14:00	14.87	351834.9	24.25	0.2	0.35	6.94	
31-03-22 15:00	14.9	347877.5	25.02	0.29	0.35	7.74	
31-03-22 16:00	14.96	344403.4	31.18	0.34	0.35	10.81	
31-03-22 17:00	15.03	340266.2	35.7	0.16	0.36	11.95	
31-03-22 18:00	15.09	340204.3	38.68	0.06	0.36	12.73	
31-03-22 19:00	15.12	341295.5	35.76	0.03	0.36	11.94	
31-03-22 20:00	15.17	341482	31.96	0.09	0.36	13.71	
31-03-22 21:00	15.18	328412.6	33.22	0.09	0.36	14.87	
31-03-22 22:00	15.17	325113	35.61	0.08	0.36	15.12	
31-03-22 23:00	15.28	309244.7	25.19	0.21	1.1	22.49	
Minimum	14.53	275,585.80	2	0.50	5.13	0.00	
Maximum	15.46	400,232.30	40.43	1.36	8.10	30.91	0.00
Avg	15.00	333,624.96	25.26	0.16	0.56	14.42	0.00
SUM							
STD			STD = 60, 120	STD = 6, 20	STD = 28, 60	STD = 690	

Site Name: GULF, NRV1  
Stack Name: HRSRG, STACK2  
Periodically: 01/04/2020 00:00:30/04/2020 23:59

Date & Time	O2	FLOW @1 ATM 25C	Emission Concentration for Standardization Comparison					Remark
			HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2		
			ppm	ppm	mg/m3	ppm		
01-04-22 0:00	15.29	300454	24.21	0.25	0.52	21.27		
01-04-22 1:00	15.3	298103.3	22.11	0.22	0.76	22.75		
01-04-22 2:00	15.29	299901.8	23.5	0.31	0.39	21.65		
01-04-22 3:00	15.32	293846.2	20.01	0.38	0.99	23.84		
01-04-22 4:00	15.31	298522.1	20.14	0.49	1.72	23.98		
01-04-22 5:00	15.31	289633.4	21.55	0.44	1.87	23.34		
01-04-22 6:00	15.33	288575.3	20.84	0.6	3.1	23.71		
01-04-22 7:00	15.34	288955.3	21.33	0.52	2.34	23.69		
01-04-22 8:00	15.29	305876	23.18	0.46	0.4	19.26		
01-04-22 9:00	15.24	333192.4	26.24	0.25	0.37	20.73		
01-04-22 10:00	15.14	349058.4	33.39	0.13	0.36	13.93		
01-04-22 11:00	15.16	346731.6	32.43	0.17	0.36	16.58		
01-04-22 12:00	15.14	346538.8	34.76	0.07	0.36	15.74		
01-04-22 13:00	15.08	346500	38.74	0.07	0.36	13.96		
01-04-22 14:00	15.09	348065.4	36.16	0.09	0.36	14.42		
01-04-22 15:00	15.15	347268.3	33.15	0.18	0.36	18.72		
01-04-22 16:00	15.19	337908.2	33.21	0.44	0.36	21.48		
01-04-22 17:00	15.15	328985.3	40.68	0.3	0.36	16.38		
01-04-22 18:00	15.16	324816.9	39.15	0.4	0.36	16.68		
01-04-22 19:00	15.17	323057.3	38.73	0.35	0.36	16.57		
01-04-22 20:00	15.18	323540.9	37.68	0.48	0.36	15.66		
01-04-22 21:00	15.22	324043.6	36.88	0.44	0.37	14.25		
01-04-22 22:00	15.23	324069.5	37.64	0.48	0.37	14.12		
01-04-22 23:00	15.31	312.7230.00	33.01	0.45	0.37	15.60		
02-04-22 0:00	15.36	296.075.30	28.39	0.49	0.38	15.53		
02-04-22 1:00	15.34	297.100.60	30.78	0.52	0.38	14.61		
02-04-22 2:00	15.36	293.586.30	27.70	0.57	0.44	16.35		
02-04-22 3:00	15.39	291.766.40	26.39	0.65	0.47	18.17		
02-04-22 4:00	15.43	287.818.20	20.13	0.70	4.14	21.58		
02-04-22 5:00	15.46	286.406.20	18.25	0.70	6.45	22.44		
02-04-22 6:00	15.51	281.386.20	14.29	0.64	8.75	27.13		
02-04-22 7:00	15.49	284.051.40	17.78	0.52	7.78	26.49		
02-04-22 8:00	15.44	299588.8	26.18	0.35	1.52	19.85		
02-04-22 9:00	15.43	328279.3	23.04	0.46	0.41	25.1		
02-04-22 10:00	15.32	345909.4	38.17	0.13	0.37	13.85		
02-04-22 11:00	15.3	348986.7	37.72	0.03	0.37	12.69		
02-04-22 12:00	15.3	347985	35.75	0.03	0.37	13.25		
02-04-22 13:00	15.24	361382.2	33.35	0.03	0.37	10.86		
02-04-22 14:00	15.28	347022	36.88	0.06	0.37	13.24		
02-04-22 15:00	15.25	347781.2	34.62	0.04	0.37	12.24		
02-04-22 16:00	15.28	340515.2	38.46	0.05	0.37	14.56		
02-04-22 17:00	15.28	338864.3	38.32	0.12	0.37	15.03		
02-04-22 18:00	15.29	337351.1	39.38	0.07	0.37	14.82		
02-04-22 19:00	15.28	340205.5	40.3	0.06	0.37	12.66		
02-04-22 20:00	15.28	339265.6	41.44	0.03	0.37	12.23		
02-04-22 21:00	15.3	335506.1	42.05	0.01	0.37	12.95		
02-04-22 22:00	15.29	337648.5	41.53	0.37	0.37	12.53		
02-04-22 23:00	15.20	374.757.80	27.78	0.02	0.37	13.94		
03-04-22 0:00	14.96	410.541.00	23.86	0.00	0.35	8.97		
03-04-22 1:00	14.97	410.240.40	25.30	0.00	0.35	8.50		
03-04-22 2:00	14.96	409.397.60	24.21	0.00	0.35	8.53		
03-04-22 3:00	14.96	410.153.80	21.74	0.00	0.35	8.76		
03-04-22 4:00	14.95	410.330.70	20.60	0.00	0.35	8.92		
03-04-22 5:00	14.96	410.291.70	20.74	0.00	0.35	9.24		
03-04-22 6:00	14.98	410.118.60	22.06	0.00	0.35	9.50		
03-04-22 7:00	14.99	410.268.00	24.81	0.00	0.35	9.53		
03-04-22 8:00	15	410280.3	32.55	0	0.35	9.14		
03-04-22 9:00	15	409362.8	34	0	0.35	8.71		
03-04-22 10:00	14.96	409664.1	23.86	0	0.35	8.86		
03-04-22 11:00	14.92	408382.2	18.29	0	0.35	7.84		
03-04-22 12:00	14.91	406840.4	17.79	0	0.35	7.73		
03-04-22 13:00	14.9	405116.8	17.1	0	0.35	7.55		
03-04-22 14:00	14.89	403999	16.38	0	0.35	7.4		
03-04-22 15:00	14.88	402709.7	15.48	0	0.35	7.26		
03-04-22 16:00	14.87	402685.7	15.22	0	0.35	7.27		
03-04-22 17:00	14.87	402936.4	15.42	0	0.35	7.32		
03-04-22 18:00	15.07	370533	28.56	0	0.36	10.65		
03-04-22 19:00	15.23	336017.8	38.56	0	0.37	11.74		
03-04-22 20:00	15.26	322837.7	38.82	0	0.37	12.53		
03-04-22 21:00	15.27	323253.1	38.17	0	0.37	12.4		
03-04-22 22:00	15.27	323263.7	37.39	0	0.37	12.56		
03-04-22 23:00	14.96	400.569.40	20.35	0.00	0.35	8.50		
04-04-22 0:00	14.90	406.570.30	17.17	0.00	0.35	8.12		
04-04-22 1:00	14.89	407.562.90	17.71	0.00	0.35	8.17		
04-04-22 2:00	14.89	407.686.10	18.45	0.00	0.35	8.11		
04-04-22 3:00	14.91	408.698.80	20.13	0.00	0.35	7.84		
04-04-22 4:00	14.91	408.787.20	21.28	0.00	0.35	7.55		
04-04-22 5:00	14.93	408.338.10	23.17	0.00	0.35	7.55		
04-04-22 6:00	14.96	408.976.50	21.19	0.00	0.35	7.10		
04-04-22 7:00	14.97	407.728.10	18.39	0.00	0.35	6.97		
04-04-22 8:00	15.43	327.055.50	22.94	0.01	0.44	29.07		
04-04-22 9:00	15.38	336.556.10	27.75	0.00	0.36	17.82		
04-04-22 10:00	15.35	352.855.30	27.76	0.00	0.38	16.57		
04-04-22 11:00	15.33	351.845.30	30.62	0.00	0.37	15.28		
04-04-22 12:00	15.27	353.633.20	32.11	0.00	0.37	12.37		
04-04-22 13:00	15.24	350.268.10	32.17	0.00	0.37	12.37		
04-04-22 14:00	15.20	350.347.50	32.96	0.00	0.37	11.25		
04-04-22 15:00	15.19	349.112.40	34.79	0.00	0.37	10.87		
04-04-22 16:00	15.21	346.893.10	32.96	0.00	0.37	12.14		
04-04-22 17:00	15.23	342.164.20	37.34	0.00	0.37	12.36		

04-04-22 18:00	15.25	336243	37.91	0	0.37	13	
04-04-22 19:00	15.24	334295.8	40.92	0	0.37	11.73	
04-04-22 20:00	15.27	330347.3	38.63	0	0.37	13.17	
04-04-22 21:00	15.27	327456.4	41.01	0	0.37	13.05	
04-04-22 22:00	15.28	325300.6	41.21	0	0.37	13.07	
04-04-22 23:00	15.35	322.627.80	28.74	0.00	0.78	15.59	
05-04-22 0:00	15.39	300.932.50	25.85	0.00	0.58	17.58	
05-04-22 1:00	15.38	297.571.10	25.81	0.00	0.53	17.42	
05-04-22 2:00	15.36	304.005.80	28.72	0.00	0.70	17.22	
05-04-22 3:00	15.37	298.967.60	23.79	0.00	0.54	18.77	
05-04-22 4:00	15.36	297.090.90	25.65	0.00	0.53	17.85	
05-04-22 5:00	15.40	288.254.80	20.82	0.01	3.12	20.31	
05-04-22 6:00	15.39	291.722.80	24.50	0.06	1.07	18.05	
05-04-22 7:00	15.41	295.264.30	25.21	0.02	0.81	18.10	
05-04-22 8:00	15.36	308297.6	31.2	0.02	0.42	16.16	
05-04-22 9:00	15.33	336463.0	23.65	0.05	0.37	20.64	
05-04-22 10:00	15.27	351282.7	26.36	0.01	0.37	17.02	
05-04-22 11:00	15.26	345906.7	30.78	0	0.37	17.03	
05-04-22 12:00	15.21	344092	32.57	0	0.37	14.19	
05-04-22 13:00	15.13	346066	35.57	0	0.36	10.63	
05-04-22 14:00	15.13	342170.2	35.61	0	0.36	11.91	
05-04-22 15:00	15.11	341835.3	35.52	0	0.36	11.83	
05-04-22 16:00	15.11	340242.8	35.08	0	0.36	12.01	
05-04-22 17:00	15.12	342031.2	35.05	0	0.36	11.78	
05-04-22 18:00	15.15	338132.9	33.86	0	0.36	13.03	
05-04-22 19:00	15.17	342735.2	30.93	0	0.36	13.78	
05-04-22 20:00	15.16	331826.7	35.97	0.01	0.36	13.33	
05-04-22 21:00	15.16	331171.7	35.11	0.16	0.36	13.3	
05-04-22 22:00	15.17	332861.1	38.14	0.12	0.36	13.11	
05-04-22 23:00	15.23	319.267.10	29.55	0.15	0.96	14.81	
06-04-22 0:00	15.30	299.836.40	24.47	0.35	0.70	18.19	
06-04-22 1:00	15.44	295.818.20	24.80	0.40	0.70	17.13	
06-04-22 2:00	15.30	300.627.70	27.39	0.48	0.45	16.94	
06-04-22 3:00	15.27	296.185.00	25.46	0.60	0.69	17.91	
06-04-22 4:00	15.29	289.430.30	17.65	0.74	1.76	22.12	
06-04-22 5:00	15.30	289.646.30	18.90	0.30	2.07	18.48	
06-04-22 6:00	15.32	290.706.80	23.81	0.91	1.21	17.93	
06-04-22 7:00	15.36	290.023.70	21.70	0.89	2.79	18.64	
06-04-22 8:00	15.32	303078.8	28.81	0.73	0.37	15.1	
06-04-22 9:00	15.32	304263.3	29.86	0.62	0.37	13.4	
06-04-22 10:00	15.16	339896.4	35.92	0.24	0.36	12.41	
06-04-22 11:00	15.12	340585	31.96	0.16	0.36	12.9	
06-04-22 12:00	15.12	340056.6	32.74	0.07	0.36	13.15	
06-04-22 13:00	15.07	344302.4	34.95	0.03	0.36	11.3	
06-04-22 14:00	15.04	341920.7	36.01	0.02	0.36	11.7	
06-04-22 15:00	15.06	33956.3	34.51	0.01	0.36	12.52	
06-04-22 16:00	15.05	341127.8	35.75	0	0.36	12.04	



08-04-22 20:00	15.17	333277.4	38.96	0	0.36	13.75	
08-04-22 21:00	15.19	329639.2	39.12	0	0.37	14.12	
08-04-22 22:00	15.2	328230	39.88	0	0.37	14.8	
08-04-22 23:00	15.28	316.194.80	31.80	0.00	0.88	21.08	
09-04-22 0:00	15.34	293.048.40	22.42	0.00	1.13	22.59	
09-04-22 1:00	15.32	290.391.70	20.09	0.00	1.74	24.03	
09-04-22 2:00	15.31	291.202.40	22.93	0.00	1.04	22.24	
09-04-22 3:00	15.29	290.782.70	21.23	0.00	2.82	23.86	
09-04-22 4:00	15.29	290.537.20	21.59	0.02	2.22	22.95	
09-04-22 5:00	15.35	285.536.50	17.61	0.02	5.03	25.71	
09-04-22 6:00	15.31	292.111.50	26.27	0.03	2.19	20.12	
09-04-22 7:00	15.36	290.374.40	23.52	0.01	1.98	21.80	
09-04-22 8:00	15.34	304391.7	38.29	0	0.34	20.09	
09-04-22 9:00	15.31	333357	21.64	0	0.37	22.91	
09-04-22 10:00	15.15	354911.1	29.23	0	0.36	12.77	
09-04-22 11:00	15.16	343066.3	33.4	0	0.36	13.99	
09-04-22 12:00	15.15	329478.7	39.02	0	0.38	13.83	
09-04-22 13:00	15.12	332713.9	39.98	0	0.36	13.41	
09-04-22 14:00	15.12	337065.4	35.62	0	0.36	13.64	
09-04-22 15:00	15.1	342678.3	36.11	0	0.36	12.34	
09-04-22 16:00	15.12	341022.9	34.15	0	0.36	13.27	
09-04-22 17:00	15.15	332642.9	34.09	0	0.36	15.14	
09-04-22 18:00	15.13	330242.4	38.34	0	0.36	14.32	
09-04-22 19:00	15.13	332536.9	36.57	0	0.36	14.8	
09-04-22 20:00	15.13	330688.9	38.69	0	0.36	14.83	
09-04-22 21:00	15.15	330134.8	38.41	0	0.36	15.27	
09-04-22 22:00	15.18	318795.1	37.06	0	0.36	15.11	
09-04-22 23:00	15.03	361.07.074.40	22.06	0.00	12.08	22.08	
10-04-22 0:00	14.78	399.878.60	8.40	0.00	0.34	9.09	
10-04-22 1:00	14.79	399.373.80	8.68	0.00	0.34	8.99	
10-04-22 2:00	14.74	400.741.00	8.29	0.00	0.34	9.74	
10-04-22 3:00	14.74	400.407.60	6.14	0.00	0.34	9.48	
10-04-22 4:00	14.78	399.615.90	6.47	0.01	0.34	8.72	
10-04-22 5:00	14.78	401.330.40	7.24	0.02	0.34	9.22	
10-04-22 6:00	14.76	402.606.70	7.01	0.02	0.34	9.68	
10-04-22 7:00	14.79	402.366.12.0	7.25	0.03	0.34	9.53	
10-04-22 8:00	14.81	398.092.30	9.05	0.01	0.34	9.34	
10-04-22 9:00	14.82	390.182.00	16.88	0.00	0.34	9.07	
10-04-22 10:00	14.82	381.250.50	18.16	0.00	0.34	8.32	
10-04-22 11:00	14.80	381.051.10	17.63	0.00	0.34	8.24	
10-04-22 12:00	14.77	378.628.50	16.66	0.00	0.34	8.07	
10-04-22 13:00	14.73	376.623.60	15.07	0.00	0.34	8.18	
10-04-22 14:00	14.67	376.840.10	15.07	0.00	0.33	8.47	
10-04-22 15:00	14.67	376.686.36.0	15.07	0.00	0.33	8.53	
10-04-22 16:00	14.68	376.558.50	15.17	0.00	0.34	8.51	
10-04-22 17:00	14.73	377.399.90	15.06	0.00	0.34	8.35	
10-04-22 18:00	14.99	360073.4	26.83	0	0.35	11.53	
10-04-22 19:00	15.14	336079.6	29.15	0.00	0.36	16.48	
10-04-22 20:00	15.13	332273.9	30.92	0.01	0.36	16.75	
10-04-22 21:00	15.11	322447	35.64	0.02	0.36	15.53	
10-04-22 22:00	15.13	326895.4	32.35	0.03	0.36	15.63	
10-04-22 23:00	14.81	330153.1	30.01	0.01	0.34	14.16	
11-04-22 0:00	14.84	385323.4	16.34	0.02	0.34	7.81	
11-04-22 1:00	14.86	382372.5	17.93	0.13	0.35	7.39	
11-04-22 2:00	14.74	381817.5	18.17	0.02	0.34	7.11	
11-04-22 3:00	14.85	380938.9	18.19	0.3	0.34	7.23	
11-04-22 4:00	14.85	380881.6	17.63	0.38	0.34	7.15	
11-04-22 5:00	14.85	379900.5	17.09	0.46	0.34	7.18	
11-04-22 6:00	14.86	379436.9	17.22	0.47	0.35	7.32	
11-04-22 7:00	14.84	379843.8	16.46	0.37	0.34	7.4	
11-04-22 8:00	14.81	381170	16.63	0.32	0.34	8.47	
11-04-22 9:00	14.77	385126.2	17.11	0.07	0.34	8.81	
11-04-22 10:00	14.8	378677.9	19.44	0	0.34	8.35	
11-04-22 11:00	14.74	374786.3	18.74	0	0.34	8.69	
11-04-22 12:00	14.77	363985.2	22.49	0.04	0.34	9.58	
11-04-22 13:00	14.77	359779.1	21.72	0.11	0.34	9.05	
11-04-22 14:00	14.72	364360.4	18.41	0.21	0.34	8.51	
11-04-22 15:00	14.72	360279	18.82	0.26	0.34	8.46	
11-04-22 16:00	14.73	359007.1	19.12	0.34	0.34	7.94	
11-04-22 17:00	14.9	338822.1	35.29	0.36	0.35	13.08	
11-04-22 18:00	14.95	341801.9	36.65	0.13	0.35	12.76	
11-04-22 19:00	14.96	344676.4	32.07	0.13	0.35	12.7	
11-04-22 20:00	14.97	348245.3	25.61	0.17	0.35	12.75	
11-04-22 21:00	15	342973.7	29.15	0.17	0.35	14.14	
11-04-22 22:00	15.14	311989.6	25.13	0.27	0.36	16.65	
11-04-22 23:00	15.05	331.203.80	25.66	0.23	0.36	15.40	
12-04-22 0:00	14.79	380.841.50	17.72	0.14	0.34	9.01	
12-04-22 1:00	14.80	380.194.80	15.92	0.16	0.34	8.56	
12-04-22 2:00	14.79	381.327.40	15.30	0.27	0.34	8.30	
12-04-22 3:00	14.79	380.847.90	15.80	0.30	0.34	8.37	
12-04-22 4:00	14.79	380.195.30	17.16	0.32	0.34	8.06	
12-04-22 5:00	14.80	380.360.30	17.48	0.37	0.34	7.94	
12-04-22 6:00	14.81	379.823.80	17.63	0.40	0.34	7.74	
12-04-22 7:00	14.81	380.088.90	17.40	0.39	0.34	8.07	
12-04-22 8:00	14.79	380.560.10	18.75	0.30	0.34	9.39	
12-04-22 9:00	14.72	386.631.50	18.62	0.08	0.34	8.72	
12-04-22 10:00	14.69	381.138.30	14.77	0.40	0.34	8.62	
12-04-22 11:00	14.66	378.916.60	13.99	0.04	0.33	8.50	
12-04-22 12:00	14.65	378.788.50	13.93	0.10	0.33	8.48	
12-04-22 13:00	14.64	377.575.50	13.18	0.17	0.33	8.70	
12-04-22 14:00	14.62	376.539.30	12.90	0.32	0.33	8.69	
12-04-22 15:00	14.61	380.856.40	14.12	0.35	0.33	8.08	
12-04-22 16:00	14.68	389.002.00	17.45	0.10	0.33	7.88	
12-04-22 17:00	14.69	386.408.40	16.50	0.18	0.33	8.30	
12-04-22 18:00	14.91	356736.1	27.48	0.18	0.35	10.78	
12-04-22 19:00	15.04	331741.3	34.05	0.25	0.36	14.98	
12-04-22 20:00	15.06	343457.7	27.38	0.29	0.36	15.44	
12-04-22 21:00	15.04	336960.9	32.48	0.19	0.36	15.11	

12-04-22 22:00	15.11	316273.3	26.42	0.3	0.36	16.83
12-04-22 23:00	14.80	377.138.10	20.04	0.20	0.34	9.11
13-04-22 0:00	14.78	381.394.30	18.40	0.21	0.34	9.33
13-04-22 1:00	14.78	380.802.20	18.31	0.27	0.34	9.90
13-04-22 2:00	14.78	380.597.60	18.05	0.31	0.34	7.72
13-04-22 3:00	14.79	379.926.40	18.31	0.36	0.34	7.42
13-04-22 4:00	14.80	379.741.60	18.69	0.44	0.34	7.36
13-04-22 5:00	14.81	379.265.10	18.64	0.54	0.34	7.49
13-04-22 6:00	14.81	379.355.80	18.36	0.58	0.34	7.26
13-04-22 7:00	14.81	379.381.50	17.92	0.55	0.34	7.49
13-04-22 8:00	14.86	368.904.80	21.33	0.45	0.35	9.58
13-04-22 9:00	14.78	379.662.80	17.22	0.24	0.34	8.71
13-04-22 10:00	14.70	380.984.80	13.91	0.04	0.34	8.04
13-04-22 11:00	14.65	379.589.80	13.13	0.12	0.33	8.33
13-04-22 12:00	14.65	378.480.80	13.07	0.27	0.33	8.44
13-04-22 13:00	14.65	376.231.30	12.84	0.33	0.33	8.65
13-04-22 14:00	14.64	375.196.50	12.74	0.37	0.33	8.70
13-04-22 15:00	14.62	376.278.20	12.49	0.39	0.33	8.64
13-04-22 16:00	14.63	377.435.00	13.06	0.47	0.33	8.32
13-04-22 17:00	14.66	377.300.90	15.26	0.37	0.33	7.91
13-04-22 18:00	15.08	324691.1	24.5	0.3	0.36	16.62
13-04-22 19:00	15.11	308793.6	28.47	0.22	0.36	15.71
13-04-22 20:00	15.11	307795.7	28.73	0.1	0.36	16.11
13-04-22 21:00	15.12	307510.5	28.14	0.16	0.36	16.4
13-04-22 22:00	15.12	310484.3	27.69	0.11	0.36	16.98
13-04-22 23:00	14.85	374603.8	17.44	0.15	0.34	10.98
14-04-22 0:00	14.78	381231.9	17.63	0.15	0.34	10.19
14-04-22 1:00	14.79	381116.3	17.79	0.18	0.34	10.79
14-04-22 2:00	14.79	380848.9	16.31	0.34	0.34	8.85
14-04-22 3:00	14.79	380468.9	16.65	0.38	0.34	8.79
14-04-22 4:00	14.8	379429.3	16.34	0.47	0.34	8.98
14-04-22 5:00	14.82	380294.3	16.82	0.5	0.34	9.08
14-04-22 6:00	14.82	384130.5	16.19	0.6	0.34	9.37
14-04-22 7:00	14.74	395049.6	10.75	0.53	0.34	10.67
14-04-22 8:00	14.76	388739.8	14.71	0.34	0.34	9.89
14-04-22 9:00	14.76	384539.4	15.26	0.36	0.33	9.70
14-04-22 10:00	14.74	380784.5	14.26	0.01	0.34	9.46
14-04-22 11:00	14.69	379387.2	13.32	0.06	0.34	9.33
14-04-22 12:00	14.69	377930	12.81	0.2	0.34	9.56
14-04-22 13:00	14.68	377615.5	12.66	0.25	0.34	9.42
14-04-22 14:00	14.66	375701.7	12.31	0.27	0.33	9.89
14-04-22 15:00	14.66	375053.8	12.59	0.31	0.33	9.98
14-04-22 16:00	14.66	375288.2	11.7	0.32	0.33	10
14-04-22 17:00	14.66	379489.8	11.98	0.37	0.33	9.93
14-04-22 18:00	15	339298.9	25.85	0.33	0.35	15.75
14-04-22 19:00	15.15	310370.3	25.69	0.22	0.36	16.68
14-04-22 20:00	15.15	309221.4	27.07	0.18	0.36	18.1
14-04-22 21:00	15.16	308224.9	27.3	0.19	0.36	18.13
14-04-22 22:00	15.19	310562.1	22.45	0.18	0.36	18.13
14-04-22 23:00	14.86	376.957.80	18.24	0.18	0.35	12.97
15-04-22 0:00	14.83	382.528.90	16.80	0.13	0.34	9.55
15-04-22 1:00	14.83	381.664.30	16.89	0.14	0.34	9.01
15-04-22 2:00	14.83	381.766.20	16.82	0.14	0.34	9.91
15-04-22 3:00	14.84	380.862.10	16.94	0.22	0.34	8.39
15-04-22 4:00	14.84	381.132.60	17.01	0.27	0.34	8.30
15-04-22 5:00	14.85	380.081.90	16.95	0.33	0.34	8.36
15-04-22 6:00	14.86	380.158.80	17.27	0.36	0.35	8.63
15-04-22 7:00	14.85	381.067.80	17.40	0.36	0.34	9.33
15-04-22 8:00	14.83	381.511.40	19.54	0.22	0.34	11.29
15-04-22 9:00	14.80	382.367.70	16.65	0.20	0.34	10.42
15-04-22 10:00	14.74	379.766.60	12.75	0.20	0.34	9.82
15-04-22 11:00	14.70	379.727.30	12.55	0.25	0.34	9.85
15-04-22 12:00	14.68	378.044.30	11.35	0.02	0.33	10.20
15-04-22 13:00	14.69	377.696.30	12.14	0.37	0.34	9.81
15-04-22 14:00	14.69	375.737.50	11.61	0.42	0.34	9.64
15-04-22 15:00	14.68	374.951.80	13.01	0.43	0.34	9.88
15-04-22 16:00	14.68	375.313.30	11.62	0.42	0.34	10.08
15-04-22 17:00	14.70	376.831.50	11.67	0.39	0.34	10.07
15-04-22 18:00	14.96	338885.1	25.68	0.3	0.36	15.95
15-04-22 19:00	15.09	314775.6	31.5	0.13	0.36	15.95
15-04-22 20:00	15.11	316773	30.83	0.1	0.36	16.77
15-04-22 21:00	15.14	317090.6	29.39	0.11	0.36	17.81
15-04-22 22:00	15.17	322349.8	29.62	0.16	0.36	18.98
15-04-22 23:00	14.81	383.324.90	16.55	0.05	0.34	9.27
16-04-22 0:00	14.75	392.284.30	12.89	0.09	0.34	9.44
16-04-22 1:00	14.74	392.659.50	12.19	0.16	0.34	9.67
16-04-22 2:00	14.74	393.746.80	12.74	0.1	0.34	9.82
16-04-22 3:00	14.74	393.927.60	12.82	0.20	0.34	10.20
16-04-22 4:00	14.73	394.812.50	12.56	0.23	0.34	10.61
16-04-22 5:00	14.73	395.041.90	9.47	0.27	0.34	10.94
16-04-22 6:00	14.75	394.037.50	12.39	0.29	0.34	10.66
16-04-22 7:00	14.76	392.936.80	12.22	0.21	0.34	10.66
16-04-22 8:00	14.78	388015.2	15.01	0.08	0.34	9.4
16-04-22 9:00	14.79	385164.2	15.19	0.02	0.34	9.83
16-04-22 10:00	14.78	381098.8	13.88	0	0.34	9.69
16-04-22 11:00	14.73	378909.2	13.24	0.01	0.34	9.58
16-04-22 12:00	14.71	377784.6	13.43	0.11	0.34	9.64
16-04-22 13:00	14.7	376129.5	12.69	0.19	0.34	9.98
16-04-22 14:00	14.69	378029.9	11.98	0.3	0.34	10.04
16-04-22 15:00	14.7	375326.8	11.85	0.39	0.34	10.11
16-04-22 16:00	14.7	374260.8	12.1	0.45	0.34	10.15
16-04-22 17:00	14.72	374231.4	12.68	0.42	0.34	10.08
16-04-22 18:00	14.98	332611.2	29.67	0.41	0.35	16.35
16-04-22 19:00	15.09	326561.8	30.03	0.32	0.36	17.32
16-04-22 20:00	15.09	341748.2	30.47	0.28	0.36	16.32
16-04-22 21:00	15.07	346498.2	29.64	0.29	0.36	14.49
16-04-22 22:00	15.13	343910.8	23.67	0.4	0.36	16.49
16-04-22 23:00	14.82	386.770.00	12.15	0.31	0.34	10.94

17-04-22 0:00	14.77	392.898.90	12.15	0.22	0.34	10.67	
17-04-22 1:00	14.79	390.992.50	15.82	0.33	0.34	12.65	
17-04-22 2:00	14.80	390.558.50	18.00	0.41	0.34	13.57	
17-04-22 3:00	14.80	391.315.80	17.10	0.45	0.34	13.70	
17-04-22 4:00	14.80	391.599.90	16.57	0.50	0.34	13.70	
17-04-22 5:00	14.79	393.091.80	14.53	0.56	0.34	13.46	
17-04-22 6:00	14.78	394.329.30	10.27	0.58	0.34	12.02	
17-04-22 7:00	14.79	393.964.80	13.11	0.55	0.34	11.35	
17-04-22 8:00	14.78	390.649.9	12.67	0.38	0.34	10.41	
17-04-22 9:00	14.78	386493.7	14.73	0.16	0.34	9.98	
17-04-22 10:00	14.77	383015.5	13.73	0.03	0.34	9.73	
17-04-22 11:00	14.72	378396.8	12.56	0.06	0.34	9.6	
17-04-22 12:00	14.69	378172.6	11.99	0.28	0.34	8.72	
17-04-22 13:00	14.68	377762.1	11.42	0.43	0.34	9.89	
17-04-22 14:00	14.68	378472.1	11.62	0.53	0.34	9.55	
17-04-22 15:00	14.75	380380.6	15.85	0.39	0.34	9.48	
17-04-22 16:00	14.81	379248.8	15.95	0.44	0.34	8.85	
17-04-22 17:00	14.84	376985.3	17.7	0.42	0.34	9.6	
17-04-22 18:00	15.12	341958.6	20.2	0.64	0.36	21.45	
17-04-22 19:00	15.11	331463.7	32.14	0.59	0.36	17.43	
17-04-22 20:00	15.13	328676.3	30.06	0.58	0.36	19.32	
17-04-22 21:00	15.13	331018.9	31.34	0.63	0.36	18.58	
17-04-22 22:00	15.13	336167.3	29.08	0.66	0.36	18.57	
17-04-22 23:00	14.80	393.427.70	6.58	0.50	0.34	11.92	
18-04-22 0:00	14.76	397.251.70	5.94	0.57	0.34	11.42	
18-04-22 1:00	14.76	397.095.40	5.35	0.55	0.34	11.34	
18-04-22 2:00	14.75	396.973.90	5.42	0.61	0.34	11.23	
18-04-22 3:00	14.74	397.399.30	5.33	0.66	0.34	11.58	
18-04-22 4:00	14.75	397.132.00	5.30	0.65	0.34	11.56	
18-04-22 5:00	14.75	396.710.30	4.18	0.64	0.34	11.69	
18-04-22 6:00	14.77	397.437.30	4.60	0.62	0.34	11.27	
18-04-22 7:00	14.78	397.773.90	4.53	0.58	0.34	11.57	
18-04-22 8:00	15.00	361.418.70	11.13	0.65	0.35	18.89	
18-04-22 9:00	15.20	329.770.60	19.58	0.66	0.37	26.04	
18-04-22 10:00	15.11	344.080.60	31.50	0.34	0.36	17.50	
18-04-22 11:00	15.09	342.669.80	33.71	0.09	0.36	16.20	
18-04-22 12:00	15.02	343.518.70	27.76	0.27	0.35	14.77	
18-04-22 13:00	15.01	342.315.00	34.75	0.30	0.35	15.49	
18-04-22 14:00	14.98	344.157.40	22.58	0.27	0.35	13.48	
18-04-22 15:00	14.92	349.714.80	21.09	0.33	0.35	10.98	
18-04-22 16:00	15.02	343.714.80	27.62	0.44	0.35	16.35	
18-04-22 17:00	15.13	339.025.60	28.31	0.44	0.36	20.11	
18-04-22 18:00	15.12	333541.6	34.52	0.36	0.36	16.91	
18-04-22 19:00	15.16	333080.5	32.55	0.16	0.36	17.9	
18-04-22 20:00	15.21	315100.2	31.34	0.85	0.37	17.13	
18-04-22 21:00	15.22	317659.7	32.14	0.97	0.37	17.14	
18-04-22 22:00	15.22	317519.2	32.48	1.01	0.37	16.98	
18-04-22 23:00	15.36	299.982.00	24.65	1.14	0.40	18.61	
18-04-22 0:00	15.60	256.689.00	0.47	2.28	8.42	64.22	
19-04-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-04-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-04-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-04-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-04-22 5:00	15.46	263.580.50	10.24	2.04	6.78	31.88	
19-04-22 6:00	15.46	296.025.30	4.46	1.81	5.51	35.19	
19-04-22 7:00	15.43	291.450.30	13.68	1.65	3.47	32.47	
19-04-22 8:00	15.39	314817.8	21.97	1.39	0.38	27.29	
19-04-22 9:00	15.28	343701.5	18.9	1.14	0.37	25.78	
19-04-22 10:00	15.23	351740.4	24.14	0.85	0.37	20.15	
19-04-22 11:00	15.16	352770.3	26.54	0.58	0.36	16.16	
19-04-22 12:00	15.14	350066.2	24.48	0.42	0.36	16.52	
19-04-22 13:00	15.1	349341.6	25.78	0.29	0.36	15.13	
19-04-22 14:00	15.08	347893.8	27.7	0.19	0.36	14.87	
19-04-22 15:00	15.1	346809.4	27.47	0.19	0.36	16.09	
19-04-22 16:00	15.13	344356.9	28.75	0.21	0.36	18.61	
19-04-22 17:00	15.13	335950.6	31.4	0.35	0.36	19.47	
19-04-22 18:00	15.14	329750.5	36.24	0.46	0.36	19.77	
19-04-22 19:00	15.15	328313.8	34.98	0.54	0.36	21.2	
19-04-22 20:00	15.17	324249.1	33.82	0.62	0.36	21.1	
19-04-22 21:00	15.19	320468	33.83	0.7	0.36	19.31	
19-04-22 22:00	15.19	318865.9	33.73	0.73	0.37	19.2	
19-04-22 23:00	15.25	310.044.80	27.28	0.82	0.73	25.72	
20-04-22 0:00	15.33	299.779.70	16.69	1.08	0.61	38.07	
20-04-22 1:00	15.30	297.793.60	17.70	1.06	0.53	34.38	
20-04-22 2:00	15.28	294.615.90	18.84	1.08	0.55	34.38	
20-04-22 3:00	15.28	295.554.20	20.48	1.20	0.76	28.98	
20-04-22 4:00	15.29	293.043.70	16.90	1.36	1.14	33.14	
20-04-22 5:00	15.33	290.033.30	14.03	1.55	2.06	36.16	
20-04-22 6:00	15.36	289.616.70	15.62	1.59	3.65	35.65	
20-04-22 7:00	15.36	293.102.80	18.97	1.49	1.19	29.75	
20-04-22 8:00	15.31	305986.1	26.98	1.24	0.46	24.59	
20-04-22 9:00	15.25	335422.1	24.25	1.12	0.37	25.29	
20-04-22 10:00	15.12	354398.1	25.79	0.73	0.36	15.79	
20-04-22 11:00	15.07	352184.1	26.22	0.45	0.36	12.73	
20-04-22 12:00	15.04	347379.1	28.13	0.3	0.36	13.22	
20-04-22 13:00	NoData	NoData	NoData	NoData	NoData	NoData	NoData
20-04-22 14:00	14.95	350080.9	30.78	0.25	0.35	12.19	
20-04-22 15:00	14.97	345613.8	28.19	0.31	0.35	12.85	
20-04-22 16:00	15.04	342658.4	33.19	0.34	0.36	15.05	
20-04-22 17:00	15.04	342658.9	34.59	0.38	0.36	15.76	
20-04-22 18:00	15.15	335683.8	26.65	0.39	0.36	19.8	
20-04-22 19:00	15.11	328197.2	35.45	0.38	0.36	17.22	
20-04-22 20:00	15.13	328751.9	35.91	0.4	0.36	17.26	
20-04-22 21:00	15.14	329249.7	36.23	0.44	0.36	17.43	
20-04-22 22:00	15.14	330586.6	36.63	0.47	0.36	17.91	
20-04-22 23:00	15.21	316748.3	27.64	0.64	0.37	22.82	
21-04-22 0:00	15.25	293142.3	20.12	0.69	0.37	24.96	
21-04-22 1:00	15.26	294666.9	22.84	0.69	0.43	22.86	

21-04-22 2:00	15.26	294078.1	21.71	0.8	0.67	25.91
21-04-22 3:00	15.26	291429.9	19.41	0.88	1.17	25.34
21-04-22 4:00	15.26	291395.8	20.35	0.97	1.78	24.78
21-04-22 5:00	15.29	291566.7	19.85	1.04	1.33	24.07
21-04-22 6:00	15.28	291922	18.88	1.1	0.89	24.75
21-04-22 7:00	15.29	295284.2	18.36	1.03	1.36	27.45
21-04-22 8:00	15.26	309145.1	25.64	0.79	0.37	22.98
21-04-22 9:00	15.15	340479.5	24.29	0.54	0.36	17.39
21-04-22 10:00	15.11	343853	24.06	0.32	0.36	14.7
21-04-22 11:00	15.04	342794.9	37.17	0.28	0.36	13.64
21-04-22 12:00	14.98	340547.8	36.62	0.52	0.35	14.03
21-04-22 13:00	14.85	353709	23.7	0.68	0.34	10.29
21-04-22 14:00	14.83	354366.1	23.42	0.74	0.34	9.94
21-04-22 15:00	14.84	358166.3	19.98	0.75	0.34	9.39
21-04-22 16:00	15.06	349681.3	23.15	0.73	0.36	19.47
21-04-22 17:00	15.04	351291.3	23.9	0.72	0.36	17.37
21-04-22 18:00	15.06	346302.1	24.54	0.65	0.36	15.45
21-04-22 19:00	15.07	332358.6	35.34	0.56	0.36	17.34
21-04-22 20:00	15.09	332574.8	35.95	0.57	0.36	17.26
21-04-22 21:00	15.12	333624.4	34.04	0.58	0.36	17.37
21-04-22 22:00	15.14	33362.7	29.74	0.63	0.36	18.99
21-04-22 23:00	15.19	314660.5	26.31	0.68	0.37	20.76
22-04-22 0:00	15.25	288650.9	19.38	0.82	1.3	22.15
22-04-22 1:00	15.24	297168.1	20.02	0.91	0.56	21.44
22-04-22 2:00	15.25	286725.2	19.34	0.95	2.9	21.75
22-04-22 3:00	15.25	285539.1	18.9	1	3.83	22.04
22-04-22 4:00	15.27	284970.2	18.58	1.02	4.41	22.63
22-04-22 5:00	15.27	285403.6	18.17	1.04	4.06	22.83
22-04-22 6:00	15.27	289131.6	21.05	1	0.89	20.94
22-04-22 7:00	15.3	290451.4	17.75	0.97	2.97	23.62
22-04-22 8:00	15.25	306272.3	24.87	0.74	0.37	19.91
22-04-22 9:00	15.37	31371.7	21.09	0.27	0.37	25.32
22-04-22 10:00	15.12	343048.1	31.65	0.39	0.36	16.85
22-04-22 11:00	15.11	342806.3	34.15	0.27	0.36	15.16
22-04-22 12:00	15.05	344333.8	29.17	0.22	0.36	12.42
22-04-22 13:00	14.94	347414.3	24.94	0.27	0.34	12.83
22-04-22 14:00	14.87	350156.3	20.29	0.61	0.35	7.56
22-04-22 15:00	14.9	347474	20.61	0.68	0.35	8.81
22-04-22 16:00	15.03	346560.7	15.14	0.76	0.36	19.76
22-04-22 17:00	15.02	344205.8	22.34	0.53	0.36	22.36
22-04-22 18:00	15.09	339961.8	31.18	0.39	0.36	17.48
22-04-22 19:00	15.13	339796.9	28.77	0.43	0.36	18.13
22-04-22 20:00	15.13	327770.6	34.48	0.48	0.36	17.99
22-04-22 21:00	15.14	324882.4	34.57	0.49	0.36	17.99
22-04-22 22:00	15.13	327716.3	34.77	0.6	0.36	17.67
22-04-22 23:00	15.2	313784.4	26.86	0.63	0.75	21.11
23-04-22 0:00	15.27	295537.3	21.98	0.86	0.58	24.83
23-04-22 1:00	15.27	292667.3	19.89	0.93	0.65	25.38
23-04-22 2:00	15.26	295232.9	20.14	1.01	0.54	25.8
23-04-22 3:00	15.27	292920.4	19.59	1.04	1.35	26.78
23-04-22 4:00	15.29	291313.3	17.9	1.08	1.3	27.24
23-04-22 5:00	15.28	295287	19.87	1.08	1.08	26.8
23-04-22 6:00	15.36	287604.2	11.68	1.17	4.48	34.33
23-04-22 7:00	15.31	292032.9	17.87	0.89	1.74	27.4
23-04-22 8:00	15.28	300512.3	22.35	0.68	0.64	24.8
23-04-22 9:00	15.13	340729.8	18.46	0.5	0.36	20.01
23-04-22 10:00	15.07	345750.3	31.95	0.28	0.36	13.58
23-04-22 11:00	15.06	343471.9	35.45	0.24	0.36	13.82
23-04-22 12:00	15.03	341054.1	36.2	0.25	0.36	14.51
23-04-22 13:00	15.01	338598.3	35.98	0.36	0.35	14.51
23-04-22 14:00	14.98	337797.2	35.62	0.4	0.36	14.35
23-04-22 15:00	14.97	335316.9	34.51	0.63	0.35	15.13
23-04-22 16:00	14.97	338664.8	33.78	0.83	0.35	14.57
23-04-22 17:00	15.08	340664.4	30.94	0.62	0.36	15.76
23-04-22 18:00	15.11	339746.6	27.71	0.54	0.36	15.14
23-04-22 19:00	15.08	331377.3	31.5	0.54	0.36	18.6
23-04-22 20:00	15.08	328430.5	33.11	0.54	0.36	18.84
23-04-22 21:00	15.09	326231.7	33.07	0.58	0.36	18.02
23-04-22 22:00	15.11	324349	32.9	0.63	0.36	17.92
23-04-22 23:00	14.88	374,854.60	18.17	0.45	0.35	10.56
24-04-22 0:00	14.73	395,368.80	10.44	0.37	0.34	8.61
24-04-22 1:00	14.72	395,078.60	10.24	0.46	0.34	8.60
24-04-22 2:00	14.71	395,890.70	8.17	0.53	0.34	8.63
24-04-22 3:00	14.71	396,028.70	8.50	0.60	0.34	8.62
24-04-22 4:00	14.71	396,517.90	8.30	0.64	0.34	8.57
24-04-22 5:00	14.72	397,155.10	7.40	0.64	0.34	8.42
24-04-22 6:00	14.73	396,711.30	7.11	0.68	0.34	8.43
24-04-22 7:00	14.74	395,354.60	10.82	0.51	0.34	8.00
24-04-22 8:00	14.77	392325.2	13.23	0.29	0.34	8.01
24-04-22 9:00	14.77	387785.5	15.92	0.19	0.34	7.69
24-04-22 10:00	14.78	385714.6	14.56	0.18	0.34	7.57
24-04-22 11:00	14.69	381197.8	13.75	0.29	0.34	7.46
24-04-22 12:00	14.68	381780.9	12.94	0.53	0.33	7.58
24-04-22 13:00	14.68	381641.5	12.18	0.67	0.34	7.71
24-04-22 14:00	14.67	378840.5	11.86	0.67	0.33	7.82
24-04-22 15:00	14.67	380190.8	12.3	0.84	0.33	7.79
24-04-22 16:00	14.67	381229	12.44	0.85	0.33	7.71
24-04-22 17:00	14.7	381322.9	12.9	0.9	0.34	7.52
24-04-22 18:00	14.65	340994.4	26.76	0.86	0.35	12.34
24-04-22 19:00	15.07	371071.9	32.4	0.88	0.36	14.14
24-04-22 20:00	15.1	371823.5	32.88	0.76	0.36	14.59
24-04-22 21:00	15.13	320590.7	33.17	0.59	0.36	14.93
24-04-22 22:00	15.17	326277.2	26.48	0.48	0.36	14.36
24-04-22 23:00	14.80	390,186.20	13.49	0.20	0.34	7.68
25-04-22 0:00	14.78	393,639.30	14.52	0.12	0.34	7.28
25-04-22 1:00	14.77	394,484.20	14.13	0.11	0.34	7.11
25-04-22 2:00	14.76	395,090.30	10.65	0.30	0.34	7.15
25-04-22 3:00	14.76	395,556.50	8.27	0.07	0.34	7.22

25-04-22 4:00	14.77	396.287.50	8.90	0.01	0.34	7.36	
25-04-22 5:00	14.78	396.634.60	9.14	0.02	0.34	7.39	
25-04-22 6:00	14.79	396.651.60	8.80	0.02	0.34	7.63	
25-04-22 7:00	14.79	395.078.60	12.66	0.02	0.34	7.35	
25-04-22 8:00	15.19	327.258.60	23.67	0.11	0.37	18.25	
25-04-22 9:00	15.17	334.207.50	27.61	0.09	0.36	16.69	
25-04-22 10:00	15.09	340.035.80	36.32	0.05	0.36	12.29	
25-04-22 11:00	15.01	336.528.30	37.85	0.24	0.35	11.90	
25-04-22 12:00	15.00	335.675.30	37.68	0.40	0.35	12.33	
25-04-22 13:00	14.98	333.655.70	37.03	0.50	0.35	12.68	
25-04-22 14:00	14.97	331.246.50	38.07	0.60	0.35	12.95	
25-04-22 15:00	14.96	333.550.50	37.73	0.65	0.35	12.13	
25-04-22 16:00	14.97	337.153.10	35.48	0.71	0.35	11.95	
25-04-22 17:00	14.98	337.524.20	36.42	0.73	0.35	11.44	
25-04-22 18:00	15.04	336412	31.84	0.72	0.36	13.59	
25-04-22 19:00	15.06	339890.7	33	0.64	0.36	13.05	
25-04-22 20:00	15.12	338519.7	29.52	0.54	0.36	15.03	
25-04-22 21:00	15.14	339253.6	28.56	0.44	0.36	15.64	
25-04-22 22:00	15.13	331169.7	32.41	0.35	0.36	15.39	
25-04-22 23:00	15.14	337222.6	31.48	0.29	0.36	14.82	
26-04-22 0:00	15.14	324158.1	34.36	0.24	0.36	15.5	
26-04-22 1:00	15.28	298666.2	19.43	0.27	0.69	18.86	
26-04-22 2:00	15.28	294743.7	18.51	0.25	0.85	19.19	
26-04-22 3:00	15.29	293213.4	18.37	0.27	1.56	19.34	
26-04-22 4:00	15.29	294206.1	18.74	0.13	0.89	18.84	
26-04-22 5:00	15.29	292479.5	20.37	0.16	1.31	18.08	
26-04-22 6:00	15.3	296373.6	21.3	0.11	0.64	17.75	
26-04-22 7:00	15.3	297088.9	20.40	0.11	0.43	18.66	
26-04-22 8:00	15.21	317550.5	31.43	0.11	0.37	16.08	
26-04-22 9:00	15.12	339947.6	26.72	0.09	0.36	14.23	
26-04-22 10:00	14.97	353242.6	23.81	0.11	0.35	7.52	
26-04-22 11:00	14.88	354340.5	21.48	0.28	0.35	6.09	
26-04-22 12:00	14.87	356197.9	21.24	0.42	0.35	6.38	
26-04-22 13:00	14.83	358968.4	21.16	0.5	0.34	5.97	
26-04-22 14:00	14.8	357799.3	21.3	0.6	0.34	5.96	
26-04-22 15:00	14.81	356688.5	22.65	0.66	0.34	6.08	
26-04-22 16:00	14.86	346859.6	23.34	0.68	0.35	6.18	
26-04-22 17:00	14.94	344308.2	27.23	0.7	0.35	8.47	
26-04-22 18:00	15.05	335644	31.83	0.67	0.36	11.84	
26-04-22 19:00	15.13	336173	28.9	0.51	0.36	14.22	
26-04-22 20:00	15.15	340422.6	29.58	0.45	0.36	13.36	
26-04-22 21:00	15.16	328000.9	35.54	0.36	0.36	13.79	
26-04-22 22:00	15.17	328285.4	37.28	0.22	0.36	13.46	
26-04-22 23:00	15.24	310.617.10	38.95	0.22	0.79	14.57	
27-04-22 0:00	15.28	295.483.30	23.13	0.20	0.45	15.40	
27-04-22 1:00	15.29	293.887.50	20.53	0.20	0.64	16.60	
27-04-22 2:00	15.28	294.595.80	21.03	0.20	0.70	16.31	
27-04-22 3:00	15.26	283.338.60	20.71	0.11	1.03	16.61	
27-04-22 4:00	15.32	289.180.00	18.39	0.07	2.03	17.78	

27-04-22 5:00	15.31	287.413.60	20.15	0.11	2.35	17.13
27-04-22 6:00	15.32	289.791.50	20.02	0.11	2.04	17.08
27-04-22 7:00	15.33	292.015.90	22.57	0.10	1.12	15.53
27-04-22 8:00	15.29	305381.9	28.17	0.05	0.37	13.8
27-04-22 9:00	15.18	332466.7	23.38	0.04	0.36	11.88
27-04-22 10:00	14.97	352778.9	20.76	0.06	0.35	5.64
27-04-22 11:00	14.85	357731.1	21.8	0.26	0.34	6.03
27-04-22 12:00	14.82	356482	20.96	0.44	0.34	6.2
27-04-22 13:00	<Samp	360214.3	<Samp	<Samp	<Samp	<Samp
27-04-22 14:00	14.71	353939.4	25.9	0.12	0.34	5.95
27-04-22 15:00	14.78	344484.5	30.11	0.04	0.34	5.43
27-04-22 16:00	14.78	345457.3	26.32	0.04	0.34	5.36
27-04-22 17:00	14.8	349283.1	25.33	0.02	0.34	5.4
27-04-22 18:00	14.9	340766.8	28.62	0.03	0.35	8.44
27-04-22 19:00	15.03	335117.8	30.99	0.05	0.36	13.1
27-04-22 20:00	15.12	331149.8	24.16	0	0.36	16.03
27-04-22 21:00	15.09	338403.1	30.55	0	0.36	12.95
27-04-22 22:00	15.07	341349.9	32.74	0	0.36	11.44
27-04-22 23:00	15.14	324.325.90	30.40	0.03	0.67	18.83
28-04-22 0:00	15.17	304.247.00	31.59	0.00	0.63	15.25
28-04-22 1:00	15.19	302.492.00	28.46	0.00	0.46	16.08
28-04-22 2:00	15.19	302.014.10	26.71	0.00	0.41	16.73
28-04-22 3:00	15.21	298.865.30	22.99	0.00	0.40	18.18
28-04-22 4:00	15.19	298.853.90	25.71	0.00	0.57	17.06
28-04-22 5:00	15.20	297.343.50	26.94	0.00	0.46	16.93
28-04-22 6:00	15.22	296.009.50	24.65	0.00	0.57	17.89
28-04-22 7:00	15.21	295.141.90	23.56	0.00	0.70	18.53
28-04-22 8:00	15.11	314381.8	33.13	0	0.36	14.43
28-04-22 9:00	15	338280.8	31.89	0	0.35	11.2
28-04-22 10:00	14.96	338707.4	42.49	0	0.35	9.67
28-04-22 11:00	14.94	334935.7	43.17	0	0.35	10.16
28-04-22 12:00	14.93	332950.3	43.75	0	0.35	10.93
28-04-22 13:00	14.92	332768.3	43.67	0.01	0.35	10.6
28-04-22 14:00	14.9	336173	41.78	0.01	0.35	10.38
28-04-22 15:00	15.62	286370.8	35.27	1.22	4.32	53.89
28-04-22 16:00	15.02	340695.7	34.52	0.01	0.35	11.08
28-04-22 17:00	15.04	340445.4	35.29	0	0.36	11.33
28-04-22 18:00	15.08	344723.4	34.6	0	0.36	12.03
28-04-22 19:00	15.12	325051.3	41.08	0	0.36	12.24
28-04-22 20:00	15.13	331917.5	41.91	0	0.36	11.79
28-04-22 21:00	15.21	329479.9	40.19	0.21	0.8	16.87
28-04-22 22:00	16.41	245721.3	48.65	1.97	7.72	103.79
28-04-22 23:00	15.28	320.565.60	20.81	0.71	1.07	45.30
29-04-22 0:00	15.27	293.352.80	24.54	0.01	0.37	18.24
29-04-22 1:00	15.27	292.522.20	28.25	0.01	0.74	16.67
29-04-22 2:00	15.26	295.232.90	30.78	0.02	0.68	15.22
29-04-22 3:00	15.28	288.392.10	25.38	0.03	2.89	17.83
29-04-22 4:00	15.28	291.17.10	29.71	0.03	1.47	15.72
29-04-22 5:00	15.30	289.208.40	29.61	0.07	1.71	15.52
29-04-22 6:00	15.28	291.139.80	32.05	0.04	0.59	14.40
29-04-22 7:00	15.30	291.429.80	29.29	0.05	0.86	16.08
29-04-22 8:00	15.25	307472.6	33.91	0.03	0.37	13.99
29-04-22 9:00	15.15	338761.5	30.66	0.01	0.36	11.6
29-04-22 10:00	15.09	337438.8	44.09	0	0.36	9.41
29-04-22 11:00	15.04	347144.1	36.39	0	0.36	8.06
29-04-22 12:00	14.93	346637.8	38.45	0	0.35	7.42
29-04-22 13:00	14.87	345488.6	40.97	0.01	0.35	7.26
29-04-22 14:00	14.75	354445.8	32.46	0.04	0.34	4.66
29-04-22 15:00	14.81	348552.1	35.41	0.1	0.34	5.94
29-04-22 16:00	14.87	341347.1	37.19	0.1	0.35	7.29
29-04-22 17:00	14.96	335936.9	38.16	0.13	0.35	9.58
29-04-22 18:00	15.03	338201.1	35.94	0.03	0.36	10.1
29-04-22 19:00	15.06	342937.1	37.29	0	0.36	9.92
29-04-22 20:00	15.09	334011.3	37.46	0	0.36	11.27
29-04-22 21:00	15.08	330208.3	43.14	0	0.36	10.48
29-04-22 22:00	15.09	332202.2	43.72	0	0.36	10.24
29-04-22 23:00	15.15	315.741.40	35.47	0.00	0.41	12.67
30-04-22 0:00	15.21	295.639.70	30.71	0.00	0.55	14.29
30-04-22 1:00	15.21	292.334.50	29.00	0.00	1.02	15.01
30-04-22 2:00	15.19	292.954.60	30.89	0.00	1.17	13.96
30-04-22 3:00	15.22	288.938.20	26.66	0.00	2.04	15.75
30-04-22 4:00	15.27	283.036.00	22.06	0.00	5.12	18.42
30-04-22 5:00	15.27	285.203.40	21.73	0.00	4.65	18.87
30-04-22 6:00	15.32	282.973.40	18.55	0.00	6.04	20.78
30-04-22 7:00	15.34	282.353.30	17.45	0.03	7.24	21.37
30-04-22 8:00	15.27	289020.7	26.74	0	2.65	16.08
30-04-22 9:00	15.13	327981	24.34	0	0.87	13.96
30-04-22 10:00	15.05	341170.7	38.64	0	0.36	9.32
30-04-22 11:00	14.95	342777.8	41.7	0.05	0.35	8.28
30-04-22 12:00	14.94	340163.8	44.54	0	0.35	7.68
30-04-22 13:00	14.88	342453.6	40.99	0.01	0.35	6.57
30-04-22 14:00	14.81	347456.8	31.65	0.02	0.34	4.2
30-04-22 15:00	14.81	345448.8	34.39	0.04	0.34	4.97
30-04-22 16:00	14.9	342075.3	36.48	0.08	0.35	7.52
30-04-22 17:00	14.97	338630.6	38.36	0.08	0.35	8.7
30-04-22 18:00	15.03	339865.7	38	0.02	0.35	10.59
30-04-22 19:00	15.07	327538.6	38.13	0	0.36	10.4
30-04-22 20:00	15.06	325395.4	43.06	0	0.36	10.01
30-04-22 21:00	15.07	328424.8	44.45	0	0.36	9.88
30-04-22 22:00	15.11	333277.4	43.79	0	0.36	9.52
30-04-22 23:00	14.92	368420.5	28.11	0	0.35	8.44
Minimum	14.61	245.721.30	0.47	0.01	0.33	4.20
Maximum	16.41	410.541.00	48.65	2.28	8.42	103.79
Avg	15.03	344.110.33	24.66	0.40	0.61	14.13
SUM						
STD = 60, 120			STD = 6, 20	STD = 28, 60	STD = 600	

Site Name: GULF\_NRV1  
Stack Name: HRSQ\_STACK2  
Periodically: 01/05/2020 00:00-31/05/2020 23:59

Date & Time	Q2	Emission Concentration for Standardization Comparison							Remark
		FLOW @1 ATM	GTG11_LOAD	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2		
		25C m3/hr MW		ppm mg/m3	ppm mg/m3	ppm mg/m3	ppm mg/m3		
01-05-22 0:00	14.71	397741	49.31	16.85	0	0.34	4.13		
01-05-22 1:00	14.71	398890.2	49.62	16.48	0	0.34	4.22		
01-05-22 2:00	14.7	398065.3	49.52	15.33	0	0.34	4.4		
01-05-22 3:00	14.69	397718.3	49.46	15.13	0	0.34	4.43		
01-05-22 4:00	14.68	398167.7	49.51	15.51	0	0.34	4.36		
01-05-22 5:00	14.68	397729.7	49.50	15.23	0	0.34	4.36		
01-05-22 6:00	14.69	397308.7	49.42	15.48	0	0.34	4.37		
01-05-22 7:00	14.76	391218.7	48.13	23.83	0	0.34	4.09		
01-05-22 8:00	14.76	390399.5	47.91	28.64	0	0.34	4.31		
01-05-22 9:00	14.75	390464.9	47.96	28.7	0	0.34	4.61		
01-05-22 10:00	14.69	390092.3	47.94	23.11	0	0.34	3.92		
01-05-22 11:00	14.67	385225.5	47.12	23.6	0	0.33	3.79		
01-05-22 12:00	14.62	381906	46.56	22.22	0	0.33	3.86		
01-05-22 13:00	14.59	378370.4	46.05	21.09	0	0.33	3.86		
01-05-22 14:00	14.57	378654.8	46.05	21.08	0	0.33	3.87		
01-05-22 15:00	14.58	378563.8	46.02	21.77	0	0.33	3.9		
01-05-22 16:00	14.56	377818.6	45.92	22.71	0	0.33	4.11		
01-05-22 17:00	14.69	366022.6	43.53	26.52	0	0.34	5.75		
01-05-22 18:00	15.03	319720.8	35.34	36.31	0	0.36	9.5		
01-05-22 19:00	15.06	311366.6	34.11	38.84	0	0.36	9.31		
01-05-22 20:00	15.08	310231.7	34.12	39.18	0	0.36	9.47		
01-05-22 21:00	15.11	310248.8	33.99	39.3	0	0.36	9.51		
01-05-22 22:00	15.14	311676.7	33.98	38.89	0	0.36	9.52		
01-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 18:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 19:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 20:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 21:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
02-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
03-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
03-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
03-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
03-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
03-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
03-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
03-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
03-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
03-05-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
03-05-22 9:00	15.35	337,003.40	37.80	41.80	0.26	1.27	17.13		
03-05-22 10:00	15.22	344,996.50	39.53	43.35	0.00	0.37	7.39		
03-05-22 11:00	15.23	344,623.90	39.36	41.13	0.00	0.37	8.08		
03-05-22 12:00	15.22	345,397.60	39.64	39.97	0.00	0.37	7.96		
03-05-22 13:00	15.24	342,052.50	38.88	40.11	0.00	0.37	9.24		
03-05-22 14:00	15.19	344,894.10	39.51	39.77	0.00	0.37	8.32		
03-05-22 15:00	15.19	341,716.90	39.07	38.28	0.00	0.37	9.52		
03-05-22 16:00	15.20	339,802.60	38.60	38.23	0.00	0.37	10.04		
03-05-22 17:00	15.18	338,684.70	38.56	39.80	0.01	0.36	9.60		
03-05-22 18:00	15.18	336,383.50	38.28	39.89	0.01	0.36	9.69		
03-05-22 19:00	15.19	334,423.7	37.88	39.28	0.04	0.37	10.29		
03-05-22 20:00	15.18	328,720.6	37.05	43.82	0.05	0.36	10.85		
03-05-22 21:00	15.18	328,248.4	37.17	45.84	0.02	0.36	10.97		
03-05-22 22:00	15.19	328,985.2	37.19	45.2	0.02	0.37	11.15		
03-05-22 23:00	15.19	327,068	36.93	46.24	0.03	0.37	11.66		
03-05-22 23:00	15.14	348,114.00	40.61	38.36	0.06	0.36	11.53		
04-05-22 0:00	15.07	375,992.40	45.39	36.46	0.05	0.36	10.89		
04-05-22 1:00	15.06	376,313.80	45.39	36.43	0.07	0.36	11.59		
04-05-22 2:00	15.06	375,218.70	45.23	36.41	0.08	0.36	11.80		
04-05-22 3:00	15.07	375,332.50	45.23	36.45	0.06	0.36	11.90		
04-05-22 4:00	15.07	378,879.50	45.78	36.46	0.03	0.36	12.13		
04-05-22 5:00	15.08	378,276.50	45.73	36.54	0.02	0.36	11.92		
04-05-22 6:00	15.09	378,543.90	45.81	36.50	0.04	0.36	12.20		
04-05-22 7:00	15.18	366,071.00	43.21	29.77	0.06	0.36	22.37		
04-05-22 8:00	15.18	350,034.00	40.65	35.51	0.00	0.36	17.22		
04-05-22 9:00	15.18	353,692.70	39.24	45.43	0.00	0.36	15.90		
04-05-22 10:00	15.18	338,368.9	38.97	45.73	0	0.36	9.86		
04-05-22 11:00	15.17	338,494.1	38.96	47.11	0	0.36	9.55		
04-05-22 12:00	15.17	338,477	38.81	45.17	0	0.36	9.98		
04-05-22 13:00	15.15	337,120.3	38.54	42.61	0	0.36	10.75		
04-05-22 14:00	15.14	335,695.6	38.32	41.89	0	0.36	11.22		
04-05-22 15:00	15.14	330,842.6	37.46	39.64	0	0.36	12.47		
04-05-22 16:00	15.1	334,039.7	38.08	43.17	0	0.36	11.27		
04-05-22 17:00	15.13	332,170.9	37.65	39.54	0	0.36	12.51		

04-05-22 18:00	15.13	333103.9	37.85	39.84	0	0.36	12.43
04-05-22 19:00	15.15	332680.1	37.77	37.84	0	0.36	12.94
04-05-22 20:00	15.15	334477.8	37.98	37.71	0	0.36	12.84
04-05-22 21:00	15.16	335473.3	38.24	38.56	0	0.36	12.47
04-05-22 22:00	15.19	332327.3	37.59	35.56	0	0.37	13.87
04-05-22 23:00	15.14	349743.9	40.73	31.33	0	0.36	15.47
05-05-22 00:00	14.94	378,464.30	46.06	24.78	0.00	0.35	6.89
05-05-22 01:00	14.94	379,676.00	46.17	25.08	0.00	0.35	7.28
05-05-22 02:00	14.93	379,309.00	46.14	23.00	0.01	0.35	7.94
05-05-22 03:00	14.94	380,196.50	46.19	21.78	0.02	0.35	9.20
05-05-22 04:00	14.94	387,128.40	46.66	1.79	0.22	0.35	31.77
05-05-22 05:00	14.93	384,161.70	46.53	10.58	0.11	0.35	20.84
05-05-22 06:00	14.95	380,316.00	46.17	20.23	0.03	0.35	9.39
05-05-22 07:00	15.01	366,486.30	43.61	23.68	0.10	0.35	15.10
05-05-22 08:00	15.04	347,687.30	40.64	37.18	0.02	0.36	11.68
05-05-22 09:00	15.07	331,138.40	37.69	42.90	0.00	0.36	11.71
05-05-22 10:00	15.08	331704.4	37.62	42.17	0	0.36	11.85
05-05-22 11:00	15.08	342743.7	39.37	35.68	0	0.36	12.7
05-05-22 12:00	15.03	332608.9	37.72	41.44	0	0.36	11.64
05-05-22 13:00	14.97	333594.6	38.10	43.79	0	0.35	10.57
05-05-22 14:00	14.9	341355.6	39.31	43.38	0	0.35	9.38
05-05-22 15:00	14.94	339412.9	38.88	41.26	0	0.35	10.36
05-05-22 16:00	14.97	339395.8	38.94	41.13	0	0.35	10.46
05-05-22 17:00	15.03	334179.1	37.30	36.38	0	0.36	12.85
05-05-22 18:00	15.02	327230.1	37.00	40.46	0	0.35	12.22
05-05-22 19:00	15.03	324872.1	36.57	41.94	0	0.36	13.51
05-05-22 20:00	15.04	327930.3	37.10	41.83	0	0.36	13.03
05-05-22 21:00	15.04	339103	37.41	39.33	0	0.36	13.38
05-05-22 22:00	15.06	324596.2	36.58	40.24	0	0.36	14.01
05-05-22 23:00	15.02	340618.9	39.33	31.99	0	0.35	14.07
06-05-22 00:00	14.78	376,285.40	45.98	24.89	0.00	0.34	7.01
06-05-22 01:00	14.78	377,408.30	46.21	25.19	0.00	0.34	7.48
06-05-22 02:00	14.78	377,434.60	46.17	25.72	0.00	0.34	6.61
06-05-22 03:00	14.79	376,848.60	46.12	26.28	0.00	0.34	5.52
06-05-22 04:00	14.79	377,465.80	46.15	25.96	0.00	0.34	5.87
06-05-22 05:00	14.80	376,868.50	46.20	26.35	0.00	0.34	5.46
06-05-22 06:00	14.80	376,330.90	46.11	26.64	0.00	0.34	5.57
06-05-22 07:00	14.91	363,556.50	43.46	25.91	0.00	0.35	13.56
06-05-22 08:00	15.02	339,646.10	39.24	34.16	0.00	0.35	16.12
06-05-22 09:00	15.00	349,678.50	41.00	28.60	0.00	0.35	13.80
06-05-22 10:00	15.02	343941.2	39.83	32.59	0	0.35	13.95
06-05-22 11:00	14.96	345366.3	40.12	31.83	0	0.35	11.15
06-05-22 12:00	14.88	348791	40.63	26.66	0	0.35	8.5
06-05-22 13:00	14.87	344592.6	39.92	32.33	0	0.35	10.93
06-05-22 14:00	14.83	342903	39.81	35.27	0	0.34	9.1
06-05-22 15:00	14.84	340692.9	39.29	35.55	0	0.34	10.86
06-05-22 16:00	14.83	342376.8	39.50	24.93	0	0.34	10.18
06-05-22 17:00	14.89	339820.3	38.85	35.14	0	0.35	12.13
06-05-22 18:00	14.97	338229.6	38.72	36.21	0	0.35	13.42
06-05-22 19:00	15.04	335521.7	38.17	31.19	0	0.36	18.76
06-05-22 20:00	15.03	325159.3	36.97	38.41	0	0.36	16.25
06-05-22 21:00	15.04	325361.8	36.93	37.4	0	0.36	16.28
06-05-22 22:00	15.04	332139.8	36.58	38.05	0	0.36	15.96
06-05-22 23:00	15.02	341640.1	39.58	27.75	0	0.35	17.59
07-05-22 00:00	14.79	375,605.60	45.93	24.09	0.00	0.34	6.33
07-05-22 01:00	14.79	375,702.30	45.99	24.45	0.00	0.34	6.45
07-05-22 02:00	14.79	375,861.00	45.97	25.15	0.00	0.34	5.67
07-05-22 03:00	14.79	375,568.60	46.00	26.04	0.00	0.34	5.64
07-05-22 04:00	14.79	375,719.30	46.02	26.15	0.00	0.34	5.69
07-05-22 05:00	14.79	375,503.30	45.98	26.17	0.00	0.34	5.77
07-05-22 06:00	14.80	375,366.60	45.98	26.15	0.00	0.34	5.70
07-05-22 07:00	14.92	363,095.70	43.33	24.39	0.00	0.35	13.69
07-05-22 08:00	14.98	349,101.00	40.93	34.74	0.00	0.35	11.35
07-05-22 09:00	15.01	338,719.80	39.49	40.55	0.00	0.35	10.51
07-05-22 10:00	15.03	333869.9	38.30	38.81	0	0.36	12.64
07-05-22 11:00	15	337484.3	39.00	40.05	0	0.35	11.61
07-05-22 12:00	14.99	336739.1	38.95	39.88	0	0.35	11.62
07-05-22 13:00	14.98	333041.3	38.41	38.98	0	0.35	12.67
07-05-22 14:00	14.96	338989.8	39.05	40.05	0	0.35	11.53
07-05-22 15:00	14.96	333551	38.80	38.6	0	0.35	11.86
07-05-22 16:00	14.96	333482.2	38.37	38.11	0	0.35	11.97
07-05-22 17:00	14.97	329043.6	37.47	37.53	0	0.35	13.22
07-05-22 18:00	14.98	324598	36.91	38.09	0	0.35	12.92
07-05-22 19:00	14.99	332397.7	36.58	38.34	0	0.35	14.51
07-05-22 20:00	15.04	314031.9	35.11	35.85	0	0.36	14.24
07-05-22 21:00	15.05	312248.4	34.83	35.11	0	0.36	14.18
07-05-22 22:00	15.05	311989.7	34.77	35.65	0	0.36	14.4
07-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 00:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 01:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 02:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 03:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 04:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 05:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 06:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 07:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 08:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 09:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-05-22 18:00	15.21	313321.9	14.81	21.81	0.28	1.15	13.94
08-05-22 19:00	15.06	310174.8	34.30	33.75	0	0.38	13.36

08-05-22 20:00	15.09	309264.6	34.12	34.15	0	0.36	13.16	
08-05-22 21:00	15.1	308729.8	34.10	33.41	0	0.36	13.46	
08-05-22 22:00	15.1	308141	33.99	33.23	0	0.36	13.63	
08-05-22 23:00	14.94	353600.9	41.74	26.26	0	0.35	10.65	
09-05-22 00:00	14.76	386112.6	47.73	24.61	0	0.34	6.76	
09-05-22 1:00	14.76	389076.9	47.86	24.43	0	0.34	6.85	
09-05-22 2:00	14.76	389076.9	47.90	23.6	0	0.34	6.33	
09-05-22 3:00	14.75	391119.2	48.26	21.95	0	0.34	6.79	
09-05-22 4:00	14.71	3931770.20	48.90	20.65	0.00	0.34	8.67	
09-05-22 5:00	14.66	3971792.30	49.62	11.55	0.00	0.33	9.23	
09-05-22 6:00	14.67	399086.50	49.75	12.00	0.00	0.33	9.27	
09-05-22 7:00	14.71	392487.30	48.62	13.40	0.00	0.34	8.32	
09-05-22 8:00	15.05	345387.20	38.93	23.51	0.00	0.36	13.53	
09-05-22 9:00	15.06	336866.70	38.48	34.47	0.00	0.36	15.32	
09-05-22 10:00	15.02	338229.60	38.62	35.84	0.00	0.35	12.90	
09-05-22 11:00	14.96	344046.50	39.60	34.32	0.00	0.35	11.79	
09-05-22 12:00	14.94	342393.00	39.47	35.29	0.00	0.35	11.92	
09-05-22 13:00	14.98	334312.80	38.07	34.53	0.00	0.35	14.14	
09-05-22 14:00	15.00	329548.30	37.43	38.60	0.00	0.35	13.32	
09-05-22 15:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	
09-05-22 16:00	14.99	341042.30	38.86	31.16	0.00	0.35	14.38	
09-05-22 17:00	15.02	343446.30	39.19	31.25	0.00	0.35	14.72	
09-05-22 18:00	15.04	326135	36.72	37.59	0	0.36	13.66	
09-05-22 19:00	15.04	330387.4	37.44	38.45	0	0.36	12.99	
09-05-22 20:00	15.04	335848.8	38.25	36.21	0	0.36	13.6	
09-05-22 21:00	15.05	333610.2	37.85	38.99	0	0.36	13.13	
09-05-22 22:00	15.05	330882.4	37.58	41.08	0	0.36	13.44	
10-05-22 00:00	14.98	3471229.40	40.66	33.06	0.00	0.35	11.16	
10-05-22 01:00	14.79	376851.40	46.00	23.98	0.00	0.34	5.84	
10-05-22 1:00	14.79	377229.80	46.12	25.09	0.00	0.34	4.25	
10-05-22 2:00	14.78	376948.20	46.06	25.35	0.00	0.34	3.86	
10-05-22 3:00	14.77	377044.90	46.08	27.76	0.00	0.34	3.24	
10-05-22 4:00	14.79	377360.60	46.10	28.72	0.00	0.34	3.23	
10-05-22 5:00	14.81	376854.30	46.06	30.11	0.00	0.34	3.50	
10-05-22 6:00	14.82	377127.30	46.04	29.57	0.00	0.34	3.76	
10-05-22 7:00	14.92	365759.30	43.66	28.89	0.00	0.35	8.93	
10-05-22 8:00	15.05	340786.60	40.38	26.96	0.00	0.36	13.40	
10-05-22 9:00	15.00	345763.00	39.80	29.72	0.00	0.35	10.02	
10-05-22 10:00	14.96	347239.6	40.19	31.86	0	0.35	7.65	
10-05-22 11:00	14.91	346057.5	40.04	34.24	0	0.34	7.4	
10-05-22 12:00	14.83	345406.1	40.04	36.35	0	0.34	6.54	
10-05-22 13:00	14.81	342277.2	39.42	38.32	0	0.34	7.18	
10-05-22 14:00	14.8	344698.3	40.00	38.39	0	0.34	6.53	
10-05-22 15:00	14.84	341733.9	39.29	40.42	0	0.34	7.45	
10-05-22 16:00	14.98	341321.5	38.66	30.82	0	0.35	10.81	
10-05-22 17:00	14.98	334839	37.85	36.51	0	0.35	10.71	
10-05-22 18:00	14.98	330330.6	37.37	42.1	0	0.35	9.79	
10-05-22 19:00	15.02	332270.5	37.63	43.33	0	0.35	15.61	
10-05-22 20:00	15.03	333229	37.76	42.34	0	0.36	9.52	
10-05-22 21:00	15.04	334133.6	37.88	42.61	0	0.36	9.37	
10-05-22 22:00	15.05	334361.1	37.98	40.96	0	0.36	9.26	
10-05-22 23:00	14.98	346797	40.29	36	0	0.36	8.24	
11-05-22 00:00	14.78	376842.90	45.95	27.55	0.00	0.34	3.29	
11-05-22 1:00	14.78	377639.30	46.05	27.42	0.00	0.34	3.47	
11-05-22 2:00	14.77	377328.50	46.06	27.06	0.00	0.34	3.35	
11-05-22 3:00	14.76	377303.70	46.15	27.57	0.00	0.34	3.52	
11-05-22 4:00	14.77	377209.80	46.17	27.73	0.00	0.34	3.32	
11-05-22 5:00	14.77	376387.80	46.06	28.02	0.00	0.34	3.34	
11-05-22 6:00	14.79	376512.90	46.03	28.61	0.00	0.34	3.38	
11-05-22 7:00	14.80	365465.10	43.58	25.06	0.00	0.35	7.50	
11-05-22 8:00	15.02	342211.80	39.33	34.87	0.00	0.35	11.02	
11-05-22 9:00	15.07	342831.90	39.20	33.57	0.00	0.36	9.90	
11-05-22 10:00	15.05	344817.3	39.53	32.46	0	0.36	9.23	
11-05-22 11:00	14.91	343986.7	39.75	36.31	0	0.35	7.05	
11-05-22 12:00	14.84	342277.2	39.38	40.26	0	0.34	6.79	
11-05-22 13:00	14.79	345625.1	39.97	32.72	0	0.34	6.01	
11-05-22 14:00	14.70	352321.60	41.44	27.31	0.00	0.34	2.46	
11-05-22 15:00	14.84	339592.10	38.99	43.45	0.00	0.34	7.21	
11-05-22 16:00	14.88	341358.60	39.09	34.62	0.00	0.35	9.37	
11-05-22 17:00	15	340084.2	38.83	32.86	0	0.35	10.31	
11-05-22 18:00	14.98	332520.8	37.85	40.87	0	0.35	9.19	
11-05-22 19:00	15.01	324681.5	36.51	41.44	0	0.35	10	
11-05-22 20:00	15.03	320838.6	35.88	40.18	0	0.36	10.15	
11-05-22 21:00	15.05	318116.5	35.50	38.64	0	0.36	10.27	
11-05-22 22:00	15.05	318329.8	35.53	38.25	0	0.36	10.25	
11-05-22 23:00	14.94	346674.7	40.53	32.37	0	0.35	7.2	
12-05-22 00:00	14.77	376865.70	46.09	27.07	0.00	0.34	3.42	
12-05-22 1:00	14.75	377354.90	46.12	26.95	0.00	0.34	3.47	
12-05-22 2:00	14.75	377226.90	46.12	27.35	0.00	0.34	3.42	
12-05-22 3:00	14.76	376723.40	46.03	27.86	0.00	0.34	2.95	
12-05-22 4:00	14.76	377002.20	46.12	28.12	0.00	0.34	3.27	
12-05-22 5:00	14.77	377323.60	46.15	28.30	0.00	0.34	3.29	
12-05-22 6:00	14.77	376877.00	46.08	28.02	0.00	0.34	3.11	
12-05-22 7:00	14.86	365664.30	43.68	25.80	0.00	0.35	6.81	
12-05-22 8:00	15.01	350176.30	40.51	30.69	0.00	0.35	9.73	
12-05-22 9:00	15.01	343517.40	39.33	33.62	0.00	0.35	9.24	
12-05-22 10:00	14.84	343514.60	39.43	36.33	0.00	0.35	7.99	
12-05-22 11:00	14.89	343727.90	39.54	35.94	0.00	0.35	7.62	
12-05-22 12:00	15.00	342191.90	39.08	34.31	0.00	0.35	9.60	
12-05-22 13:00	14.804	342284.00	39.32	34.21	0.00	0.34	9.04	
12-05-22 14:00	14.92	340249.10	39.01	36.44	0.00	0.35	8.96	
12-05-22 15:00	14.87	342035.40	39.38	36.37	0.00	0.35	7.88	
12-05-22 16:00	14.92	336451.80	38.32	38.19	0.00	0.35	9.42	
12-05-22 17:00	14.831	336371.10	40.80	40.21	0.00	0.35	10.31	
12-05-22 18:00	14.96	332625.00	36.33	39.57	0.00	0.35	10.32	
12-05-22 19:00	14.96	330879.50	37.48	40.71	0.00	0.35	9.96	
12-05-22 20:00	14.98	331838.10	37.54	41.21	0.00	0.35	9.86	
12-05-22 21:00	15.00	330455.70	37.34	41.86	0.00	0.35	10.18	

12-05-22 22:00	15.01	328,649.50	37.08	42.10	0.00	0.35	10.33
12-05-22 23:00	14.93	351,715.10	41.20	33.30	0.00	0.35	7.70
13-05-22 00:00	14.74	377,733.20	46.14	26.69	0.00	0.34	3.48
13-05-22 1:00	14.73	378,026.20	46.19	26.45	0.00	0.34	3.40
13-05-22 2:00	14.73	377,616.60	46.18	26.72	0.00	0.34	3.27
13-05-22 3:00	14.73	376,712.10	46.13	27.07	0.00	0.34	3.43
13-05-22 4:00	14.73	377,101.80	46.16	27.13	0.00	0.34	3.42
13-05-22 5:00	14.74	376,780.30	46.11	26.79	0.00	0.34	3.51
13-05-22 6:00	14.74	377,127.30	46.11	26.59	0.00	0.34	3.71
13-05-22 7:00	14.84	365,880.40	43.80	28.29	0.00	0.34	6.64
13-05-22 8:00	14.95	344,655.20	40.02	36.12	0.00	0.35	8.28
13-05-22 9:00	14.95	345,628.00	39.93	34.14	0.00	0.35	7.86
13-05-22 10:00	14.89	341,887.50	39.36	38.17	0.00	0.35	7.92
13-05-22 11:00	14.77	346,475.60	40.24	35.81	0.00	0.34	5.63
13-05-22 12:00	14.71	351,433.50	40.99	28.99	0.00	0.34	4.74
13-05-22 13:00	14.68	356,044.30	42.11	27.91	0.00	0.35	3.16
13-05-22 14:00	14.70	351,095.00	41.04	28.53	0.00	0.34	3.79
13-05-22 15:00	14.75	343,988.10	39.80	39.07	0.00	0.34	6.32
13-05-22 16:00	14.81	338,573.80	38.81	41.38	0.00	0.34	7.69
13-05-22 17:00	14.83	339,735.90	38.76	39.86	0.00	0.34	7.05
13-05-22 18:00	14.92	335,123.40	37.90	39.05	0.00	0.35	8.01
13-05-22 19:00	14.95	338,371.80	38.47	33.73	0.00	0.35	10.31
13-05-22 20:00	14.97	331,368.80	37.62	40.09	0.00	0.35	10.01
13-05-22 21:00	14.98	331,813.40	37.65	40.68	0.00	0.35	10.14
13-05-22 22:00	15.01	327,107.80	36.93	40.58	0.00	0.35	10.81
13-05-22 23:00	14.97	341,856.30	39.56	32.29	0	0.35	9.02
14-05-22 00:00	14.77	378,088.80	46.15	24.16	0.00	0.34	3.93
14-05-22 1:00	14.77	378,603.60	46.23	24.51	0.00	0.34	3.97
14-05-22 2:00	14.76	378,447.20	46.24	25.51	0.00	0.34	3.84
14-05-22 3:00	14.76	378,304.90	46.19	26.31	0.00	0.34	3.65
14-05-22 4:00	14.76	378,589.40	46.27	26.86	0.00	0.34	3.47
14-05-22 5:00	14.77	378,757.20	46.29	26.72	0.00	0.34	3.43
14-05-22 6:00	14.77	378,253.80	46.25	26.22	0.00	0.34	3.79
14-05-22 7:00	14.87	365,513.50	43.69	28.02	0.00	0.35	6.80
14-05-22 8:00	14.97	345,736.10	40.16	36.14	0.00	0.35	8.21
14-05-22 9:00	14.97	344,885.60	39.96	33.93	0.00	0.35	8.03
14-05-22 10:00	14.94	343,818.90	39.55	42.39	0.00	0.35	6.89
14-05-22 11:00	14.90	337,694.80	38.34	39.66	0.00	0.35	8.53
14-05-22 12:00	14.87	338,240.90	38.57	42.58	0.00	0.35	7.43
14-05-22 13:00	14.85	338,192.60	38.63	43.22	0.00	0.35	7.35
14-05-22 14:00	14.85	335,928.40	38.25	43.55	0.00	0.34	7.50
14-05-22 15:00	14.89	340,132.50	38.72	36.68	0.00	0.35	8.57
14-05-22 16:00	15.02	342,706.70	39.02	40.49	0.00	0.35	9.03
14-05-22 17:00	15.00	337,048.90	40.38	40.38	0.00	0.35	8.58
14-05-22 18:00	15.01	325,947.30	36.64	41.16	0.00	0.35	9.68
14-05-22 19:00	15.01	328,117.90	36.72	40.81	0.00	0.35	9.41
14-05-22 20:00	15.04	322,735.90	36.14	39.67	0.00	0.36	9.32
14-05-22 21:00	15.06	319,891.40	35.75	38.87	0.00	0.36	9.00
14-05-22 22:00	15.08	317,342.90	35.36	38.13	0.00	0.36	9.44
14-05-22 23:00	15.00	345,628.00	40.18	31.00	0	0.35	8.30
15-05-22 00:00	14.89	384,700.30	48.97	20.08	0.00	0.34	4.20
15-05-22 1:00	14.67	395,277.80	45.15	15.15	0.00	0.33	4.35
15-05-22 2:00	14.67	394,751.50	45.15	13.76	0.00	0.33	4.45
15-05-22 3:00	14.66	395,411.40	49.22	12.63	0.00	0.33	4.41
15-05-22 4:00	14.67	395,867.60	49.31	11.48	0.00	0.33	4.37
15-05-22 5:00	14.68	396,634.60	49.40	12.09	0.00	0.33	4.68
15-05-22 6:00	14.68	395,784.10	49.28	11.89	0.00	0.34	4.34
15-05-22 7:00	14.71	393,172.90	48.76	17.87	0.00	0.34	4.40
15-05-22 8:00	14.70	391,887.20	48.51	17.88	0.00	0.34	4.00
15-05-22 9:00	14.66	396,861.80	47.61	20.40	0.00	0.33	3.86
15-05-22 10:00	14.60	385,074.70	47.30	18.72	0.00	0.33	4.09
15-05-22 11:00	14.56	382,645.60	46.95	17.79	0.00	0.33	4.33
15-05-22 12:00	14.55	379,220.90	46.45	16.98	0.00	0.33	4.38
15-05-22 13:00	14.56	383,382.30	47.06	17.06	0.00	0.33	4.40
15-05-22 14:00	14.57	384,141.80	47.29	18.11	0.00	0.33	3.89
15-05-22 15:00	14.63	392,515.80	48.70	18.41	0.00	0.33	3.91
15-05-22 16:00	14.66	388,502.30	48.02	18.77	0.00	0.33	4.04
15-05-22 17:00	14.80	371,546.80	44.75	21.32	0.00	0.34	5.09
15-05-22 18:00	15.07	328,561.30	36.81	29.08	0.00	0.36	9.77
15-05-22 19:00	15.09	311,870.10	34.49	34.59	0.00	0.36	9.16
15-05-22 20:00	15.10	311,150.50	34.43	33.30	0.00	0.36	9.30
15-05-22 21:00	15.11	311,443.40	34.43	33.39	0.00	0.36	9.06
15-05-22 22:00	15.12	311,045.20	32.37	32.13	0.00	0.36	9.36
15-05-22 23:00	15.00	355,836.70	41.66	22.12	0.00	0.35	7.92
16-05-22 00:00	14.78	388,855.00	48.04	22.34	0.00	0.34	3.65
16-05-22 1:00	14.76	389,469.30	48.14	21.77	0.00	0.34	3.94
16-05-22 2:00	14.76	389,869.80	48.05	22.37	0.00	0.34	3.86
16-05-22 3:00	14.74	392,444.70	48.61	20.81	0.00	0.34	4.09
16-05-22 4:00	14.66	398,142.10	49.79	15.15	0.00	0.33	4.42
16-05-22 5:00	14.66	398,076.90	49.81	13.70	0.00	0.33	4.48
16-05-22 6:00	14.66	398,051.10	49.82	11.89	0.00	0.33	4.39
16-05-22 7:00	14.66	397,883.30	49.70	11.93	0.00	0.33	4.38
16-05-22 8:00	14.66	394,910.80	49.14	13.12	0.00	0.33	4.25
16-05-22 9:00	14.84	389,549.00	48.15	16.55	0.00	0.33	4.17
16-05-22 10:00	14.50	384,960.90	47.91	17.87	0.00	0.33	4.00
16-05-22 11:00	14.53	383,154.70	47.03	16.86	0.00	0.33	3.86
16-05-22 12:00	14.51	382,679.70	46.96	16.81	0.00	0.33	3.85
16-05-22 13:00	14.51	386,448.60	47.61	16.96	0.00	0.33	3.73
16-05-22 14:00	14.50	386,371.60	47.95	11.39	0.00	0.33	4.71
16-05-22 15:00	14.62	400,471.70	50.30	12.95	0.00	0.33	4.05
16-05-22 16:00	14.63	400,707.80	50.49	14.68	0.00	0.33	4.07
16-05-22 17:00	14.74	387,509.60	47.63	17.26	0.00	0.34	6.13
16-05-22 18:00	15.04	338,605.40	38.41	28.14	0.00	0.36	9.05
16-05-22 19:00	15.06	326,607.20	36.82	32.06	0.00	0.36	8.25
16-05-22 20:00	15.07	325,497.80	36.74	36.45	0.00	0.36	8.09
16-05-22 21:00	15.10	324,337.30	36.32	32.36	0.00	0.36	8.94
16-05-22 22:00	15.08	327,016.80	36.80	34.54	0	0.36	6.60
16-05-22 23:00	14.92	368,375.00	44.10	20.01	0.00	0.35	6.79



17-05-22 0:00	14.65	400,585.50	50.30	13.93	0.00	0.33	4.11	
17-05-22 1:00	14.64	400,679.30	50.32	12.53	0.00	0.33	4.00	
17-05-22 2:00	14.63	400,722.00	50.36	12.94	0.00	0.33	4.06	
17-05-22 3:00	14.64	400,605.40	50.38	12.98	0.00	0.33	4.03	
17-05-22 4:00	14.64	400,198.60	50.42	12.71	0.00	0.33	4.02	
17-05-22 5:00	14.64	400,471.70	50.38	12.65	0.00	0.33	4.02	
17-05-22 6:00	14.65	401,600.90	50.49	13.06	0.00	0.33	3.99	
17-05-22 7:00	14.70	393,010.70	48.84	16.86	0.00	0.34	4.34	
17-05-22 8:00	14.98	348,091.30	40.44	32.34	0.00	0.35	7.22	
17-05-22 9:00	15.02	337,000.80	38.56	38.35	0.00	0.35	7.00	
17-05-22 10:00	15.02	336,397.80	38.46	37.95	0.00	0.35	7.15	
17-05-22 11:00	15.04	345,261.00	39.36	29.32	0.00	0.36	7.74	
17-05-22 12:00	15.04	342,940.00	38.93	28.94	0.00	0.36	7.82	
17-05-22 13:00	14.98	343,705.10	39.10	30.15	0.00	0.35	7.18	
17-05-22 14:00	14.93	344,066.40	39.45	33.20	0.00	0.35	6.45	
17-05-22 15:00	14.94	342,891.60	39.04	30.79	0.00	0.35	7.07	
17-05-22 16:00	14.89	340,115.40	38.33	27.89	0.00	0.35	7.97	
17-05-22 17:00	14.97	338,568.10	38.45	33.03	0.00	0.35	7.09	
17-05-22 18:00	15.01	323,415.70	36.35	36.39	0.00	0.35	7.83	
17-05-22 19:00	15.03	321,421.80	36.06	35.03	0.00	0.35	8.08	
17-05-22 20:00	15.05	316,136.80	35.23	34.13	0.00	0.36	7.90	
17-05-22 21:00	15.07	312,734.80	34.73	33.93	0.00	0.36	8.04	
17-05-22 22:00	15.07	312,621.00	34.73	33.82	0.00	0.36	8.09	
17-05-22 23:00	15.02	342,977.40	39.67	27.65	0	0.35	7.85	
18-05-22 0:00	14.79	376,117.60	45.92	24.15	0.00	0.34	2.57	
18-05-22 1:00	14.78	377,198.50	45.98	23.41	0.00	0.34	2.58	
18-05-22 2:00	14.77	377,295.20	45.97	23.10	0.00	0.34	2.55	
18-05-22 3:00	14.83	378,111.50	46.07	20.18	0.00	0.34	3.01	
18-05-22 4:00	14.87	379,920.60	46.19	17.85	0.00	0.35	3.29	
18-05-22 5:00	14.87	379,223.70	46.10	17.90	0.00	0.35	3.24	
18-05-22 6:00	14.87	379,095.70	46.00	18.90	0.00	0.35	3.46	
18-05-22 7:00	14.92	386,221.80	45.54	20.54	0.00	0.35	3.54	
18-05-22 8:00	15.05	345,619.40	39.90	33.30	0.00	0.36	7.98	
18-05-22 9:00	15.02	341,685.60	39.32	38.54	0.00	0.35	6.31	
18-05-22 10:00	15.02	337,737.50	38.59	36.96	0.00	0.35	6.94	
18-05-22 11:00	14.98	339,030.00	39.00	38.22	0.00	0.35	6.85	
18-05-22 12:00	14.96	337,433.10	38.62	38.28	0.00	0.35	6.75	
18-05-22 13:00	14.97	341,290.20	38.83	30.64	0.00	0.35	7.86	
18-05-22 14:00	14.96	340,533.60	38.57	30.18	0.00	0.35	8.13	
18-05-22 15:00	14.97	341,022.80	38.69	31.95	0.00	0.35	8.24	
18-05-22 16:00	14.98	340,749.80	38.74	31.96	0.00	0.35	7.66	
18-05-22 17:00	14.97	334,483.40	38.06	36.62	0.00	0.35	6.95	
18-05-22 18:00	15.00	334,469.20	38.02	35.15	0.00	0.35	7.30	
18-05-22 19:00	15.02	334,645.60	37.82	31.93	0.00	0.35	7.48	
18-05-22 20:00	15.04	332,904.80	37.82	33.26	0.00	0.36	7.69	
18-05-22 21:00	15.05	335,527.30	38.15	34.13	0.00	0.36	7.63	
18-05-22 22:00	15.04	332,847.40	37.89	37.61	0.00	0.36	7.82	
18-05-22 23:00	15.06	345,164.30	39.69	29.25	0.00	0.36	8.72	
19-05-22 0:00	14.80	377,005.00	46.13	23.89	0.00	0.34	2.90	
19-05-22 1:00	14.78	376,165.90	46.00	23.94	0.00	0.34	2.50	
19-05-22 2:00	14.78	376,160.30	46.00	23.94	0.00	0.34	2.50	
19-05-22 3:00	14.78	376,638.30	46.00	24.75	0.00	0.34	2.58	
19-05-22 4:00	14.79	377,172.90	46.01	25.96	0.00	0.34	2.66	
19-05-22 5:00	14.79	376,720.60	46.01	26.19	0.00	0.34	2.61	
19-05-22 6:00	14.79	377,229.80	46.01	26.98	0.00	0.34	2.64	
19-05-22 7:00	14.90	365,911.70	43.57	26.20	0.00	0.35	5.89	
19-05-22 8:00	15.01	336,058.90	38.79	35.24	0.00	0.35	7.80	
19-05-22 9:00	15.01	333,365.60	37.98	39.46	0.00	0.35	7.31	
19-05-22 10:00	14.99	344,237.00	39.70	32.10	0.00	0.35	6.71	
19-05-22 11:00	14.90	350,457.80	40.84	30.40	0.00	0.35	5.38	
19-05-22 12:00	14.85	346,836.90	40.05	30.28	0.00	0.34	5.98	
19-05-22 13:00	14.82	346,669.00	40.28	34.99	0.00	0.34	5.27	
19-05-22 14:00	14.73	351,356.70	41.22	31.37	0.00	0.34	4.40	
19-05-22 15:00	14.85	342,291.40	39.22	31.29	0.00	0.34	6.23	
19-05-22 16:00	14.91	343,207.30	39.35	32.51	0.00	0.35	7.10	
19-05-22 17:00	14.97	341,640.10	38.88	30.44	0.00	0.35	8.00	
19-05-22 18:00	14.97	331,590.60	37.67	38.45	0.00	0.35	6.95	
19-05-22 19:00	15.05	336,005.20	37.91	30.64	0.00	0.36	8.30	
19-05-22 20:00	15.01	340,343.00	38.80	32.27	0.00	0.35	7.31	
19-05-22 21:00	15.04	346,691.80	39.70	24.37	0.00	0.36	8.74	
19-05-22 22:00	15.07	338,423.00	38.17	26.88	0.00	0.36	10.34	
19-05-22 23:00	15.01	348,449.70	40.39	29.88	0.00	0.35	7.43	
20-05-22 0:00	14.76	377,030.60	46.09	21.35	0.00	0.34	2.17	
20-05-22 1:00	14.74	377,320.80	46.14	21.12	0.00	0.34	2.20	
20-05-22 2:00	14.76	377,175.70	46.13	21.44	0.00	0.34	2.16	
20-05-22 3:00	14.74	377,175.70	46.14	21.36	0.00	0.34	2.13	
20-05-22 4:00	14.75	377,366.30	46.14	21.66	0.00	0.34	2.20	
20-05-22 5:00	14.75	377,189.90	46.13	21.95	0.00	0.34	2.22	
20-05-22 6:00	14.76	378,774.60	46.11	21.19	0.00	0.34	2.19	
20-05-22 7:00	14.86	365,684.20	43.70	21.89	0.00	0.35	6.46	
20-05-22 8:00	14.95	351,836.90	41.06	22.90	0.00	0.35	6.69	
20-05-22 9:00	14.97	343,577.10	39.50	27.76	0.00	0.35	6.58	
20-05-22 10:00	14.88	344,538.60	39.81	31.41	0.00	0.35	6.87	
20-05-22 11:00	14.85	341,378.40	39.16	31.83	0.00	0.34	6.17	
20-05-22 12:00	14.82	341,702.60	39.32	31.81	0.00	0.34	5.83	
20-05-22 13:00	14.84	342,007.00	39.19	30.48	0.00	0.34	6.03	
20-05-22 14:00	14.88	339,774.10	39.03	30.76	0.00	0.35	6.48	
20-05-22 15:00	14.86	341,361.30	39.06	31.17	0.00	0.35	7.32	
20-05-22 16:00	14.93	333,297.30	37.67	34.66	0.00	0.35	8.40	
20-05-22 17:00	14.93	325,025.70	36.79	37.09	0.00	0.35	8.01	
20-05-22 18:00	14.94	325,025.70	36.74	35.58	0.00	0.35	7.93	
20-05-22 19:00	14.96	326,180.50	36.87	39.60	0.00	0.35	8.04	
20-05-22 20:00	14.97	325,967.20	36.85	38.96	0.00	0.35	8.21	
20-05-22 21:00	15.03	326,728.60	46.07	24.96	0.00	0.36	8.97	
20-05-22 22:00	15.04	326,772.20	37.03	47.36	1.52	0.36	10.51	
20-05-22 23:00	14.97	348,799.50	40.93	37.40	1.75	0.35	8.50	
21-05-22 0:00	14.78	377,841.30	46.34	29.71	1.80	0.34	4.53	
21-05-22 1:00	14.77	377,167.20	46.27	29.89	1.89	0.34	4.52	

21-05-22 2:00	14.80	377,161.50	46.24	30.56	1.94	0.34	5.07
21-05-22 3:00	14.81	377,391.90	46.30	30.47	1.92	0.34	5.67
21-05-22 4:00	14.82	377,312.30	46.30	30.47	1.95	0.34	5.70
21-05-22 5:00	14.84	377,209.80	46.25	32.38	1.98	0.34	5.64
21-05-22 6:00	14.84	376,962.40	46.18	32.84	2.02	0.34	5.83
21-05-22 7:00	14.93	365,359.90	43.70	34.30	2.07	0.35	8.85
21-05-22 8:00	15.08	343,013.90	39.67	38.81	2.14	0.36	11.88
21-05-22 9:00	15.08	345,073.30	39.89	39.30	2.09	0.36	10.52
21-05-22 10:00	15.04	345,445.90	40.13	36.36	1.99	0.36	9.75
21-05-22 11:00	15.02	341,415.30	39.26	43.06	2.06	0.35	10.67
21-05-22 12:00	14.98	342,945.70	39.66	46.00	2.05	0.35	10.59
21-05-22 13:00	14.97	342,567.30	39.61	46.06	2.15	0.35	10.79
21-05-22 14:00	15.03	338,679.30	38.66	44.15	2.17	0.36	12.21
21-05-22 15:00	15.04	336,306.70	38.32	41.85	2.17	0.36	12.89
21-05-22 16:00	15.03	328,040.80	37.35	52.71	2.08	0.35	12.20
21-05-22 17:00	15.04	322,841.10	36.46	52.62	2.15	0.36	12.85
21-05-22 18:00	15.07	315,863.70	35.37	50.07	2.22	0.36	12.57
21-05-22 19:00	15.07	314,396.00	35.13	50.10	2.25	0.36	13.06
21-05-22 20:00	15.08	316,978.70	35.58	50.58	2.24	0.36	13.12
21-05-22 21:00	15.10	318,130.70	35.67	51.26	2.30	0.36	12.93
21-05-22 22:00	15.10	314,828.30	35.20	50.07	2.34	0.36	12.84
21-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 18:00	15.25	318,919.90	35.82	42.01	2.62	1.03	17.10
22-05-22 19:00	15.10	317,391.20	35.66	44.17	2.30	0.36	10.76
22-05-22 20:00	15.10	318,967.00	35.89	44.19	2.26	0.36	11.11
22-05-22 21:00	15.11	319,203.10	36.01	45.14	2.25	0.36	11.19
22-05-22 22:00	15.11	319,675.30	36.09	45.25	2.28	0.36	11.25
22-05-22 23:00	14.95	365,342.80	44.09	27.07	2.21	0.35	9.40
23-05-22 0:00	14.72	394,688.90	49.64	21.83	2.15	0.34	7.66
23-05-22 1:00	14.71	395,087.20	49.71	21.98	2.15	0.34	7.88
23-05-22 2:00	14.70	394,404.50	49.70	22.19	2.22	0.34	7.93
23-05-22 3:00	14.70	394,572.30	49.73	24.50	2.23	0.34	7.80
23-05-22 4:00	14.70	394,740.20	49.72	23.82	2.22	0.34	8.01
23-05-22 5:00	14.71	395,041.70	49.71	23.51	2.26	0.34	8.16
23-05-22 6:00	14.72	395,129.80	49.71	25.18	2.31	0.34	7.91
23-05-22 7:00	14.79	382,008.40	47.29	27.61	2.28	0.34	8.36
23-05-22 8:00	15.15	330,182.60	37.28	35.03	2.41	0.36	12.49
23-05-22 9:00	15.10	330,303.90	36.21	44.82	2.36	0.36	12.69
23-05-22 10:00	15.06	323,384.40	36.59	47.92	2.32	0.36	12.42
23-05-22 11:00	15.00	319,530.20	36.04	45.73	2.24	0.35	12.39
23-05-22 12:00	14.99	320,010.90	35.92	45.60	2.34	0.35	12.23
23-05-22 13:00	14.97	318,814.60	36.03	46.15	2.26	0.35	12.18
23-05-22 14:00	14.97	300,332.80	34.54	54.54	2.44	0.36	11.47
23-05-22 15:00	17.23	313,104.60	34.99	27.73	1.33	2.23	7.28
23-05-22 16:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
23-05-22 17:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
23-05-22 18:00	14.98	318,359.70	35.46	31.79	3.39	0.35	10.37
23-05-22 19:00	15.04	318,022.60	35.44	32.43	4.29	0.36	10.66
23-05-22 20:00	15.07	316,924.70	35.20	30.84	3.76	0.36	11.75
23-05-22 21:00	15.07	315,164.00	35.12	34.00	2.17	0.36	10.72
23-05-22 22:00	15.07	314,740.20	35.14	33.65	2.35	0.36	10.53
23-05-22 23:00	15.02	333,627.30	38.36	30.07	2.09	0.35	9.27
24-05-22 0:00	14.76	375,104.90	46.20	21.81	2.15	0.34	4.20
24-05-22 1:00	14.76	376,163.10	46.32	21.98	2.18	0.34	4.05
24-05-22 2:00	14.77	375,880.00	46.28	23.44	2.36	0.34	4.00
24-05-22 3:00	14.77	375,514.60	46.26	23.33	2.83	0.34	4.09
24-05-22 4:00	14.79	375,304.10	46.23	24.20	2.98	0.34	3.93
24-05-22 5:00	14.79	375,452.00	46.24	24.26	2.34	0.34	4.00
24-05-22 6:00	14.78	374,840.40	46.16	24.77	3.27	0.34	4.00
24-05-22 7:00	14.88	364,279.00	43.80	22.88	3.60	0.35	6.43
24-05-22 8:00	15.02	347,550.80	40.62	25.69	3.39	0.35	8.43
24-05-22 9:00	15.06	334,389.60	38.27	34.18	3.89	0.36	9.49
24-05-22 10:00	14.99	330,643.30	39.19	34.11	4.81	0.37	8.44
24-05-22 11:00	14.92	338,653.40	39.18	38.22	4.16	0.35	7.79
24-05-22 12:00	14.87	338,605.00	39.18	40.41	2.22	0.35	7.60
24-05-22 13:00	14.86	338,889.50	39.19	40.51	1.39	0.35	7.51
24-05-22 14:00	14.89	338,747.60	38.86	48.43	1.39	0.35	8.44
24-05-22 15:00	15.00	335,589.90	38.59	39.88	1.31	0.35	8.41
24-05-22 16:00	15.00	333,934.50	38.44	38.65	0.89	0.35	9.25
24-05-22 17:00	15.06	333,954.40	38.35	35.63	0.49	0.36	9.11
24-05-22 18:00	15.06	333,903.20	38.37	35.85	0.12	0.36	9.12
24-05-22 19:00	15.08	333,852.00	38.12	32.97	0.06	0.36	9.74
24-05-22 20:00	15.05	335,959.70	38.72	37.28	0.03	0.36	8.94
24-05-22 21:00	15.07	334,799.20	38.35	34.69	0.25	0.36	9.41
24-05-22 22:00	15.08	332,111.20	37.97	34.53	1.32	0.36	9.08
24-05-22 23:00	15.02	342,500.10	40.02	32.02	1.70	0.35	9.07
25-05-22 0:00	14.80	374,100.90	46.00	24.19	1.80	0.34	4.00
25-05-22 1:00	14.79	374,900.20	46.15	24.13	2.04	0.34	4.26
25-05-22 2:00	14.80	375,026.70	46.13	24.54	2.16	0.34	4.26
25-05-22 3:00	14.80	375,198.80	46.11	24.21	2.29	0.34	4.20

25-05-22 4:00	14.80	375,264.30	46.16	24.23	2.37	0.34	4.29	
25-05-22 5:00	14.81	375,232.90	46.19	24.41	2.49	0.34	4.34	
25-05-22 6:00	14.82	375,124.90	46.13	24.56	2.73	0.34	3.99	
25-05-22 7:00	14.80	362,674.70	43.32	25.15	2.80	0.35	6.47	
25-05-22 8:00	15.02	343,898.60	39.82	32.47	2.98	0.35	7.97	
25-05-22 9:00	14.99	343,275.60	39.65	32.03	2.96	0.35	7.22	
25-05-22 10:00	14.95	341,025.70	39.21	34.58	2.74	0.35	7.46	
25-05-22 11:00	14.86	344,018.00	39.86	33.03	2.55	0.35	6.49	
25-05-22 12:00	14.87	337,589.60	38.60	35.36	2.36	0.35	7.66	
25-05-22 13:00	14.78	343,460.50	39.74	30.20	1.20	0.34	5.85	
25-05-22 14:00	14.75	349,197.80	40.83	27.06	1.02	0.34	4.70	
25-05-22 15:00	14.77	345,993.80	40.14	27.53	0.88	0.34	5.66	
25-05-22 16:00	14.82	342,373.90	39.49	28.43	0.88	0.34	6.11	
25-05-22 17:00	14.92	336,297.80	38.78	36.97	3.65	0.35	7.54	
25-05-22 18:00	15.00	336,028.00	38.36	33.49	4.29	0.35	8.34	
25-05-22 19:00	15.02	324,257.70	36.62	40.38	4.22	0.35	8.77	
25-05-22 20:00	15.05	323,424.30	36.50	40.69	4.15	0.36	8.83	
25-05-22 21:00	15.07	320,591.20	36.08	39.37	4.00	0.36	9.01	
25-05-22 22:00	15.07	323,134.10	36.54	40.41	3.69	0.36	8.98	
25-05-22 23:00	15.05	338,812.70	39.22	31.27	3.62	0.36	9.27	
26-05-22 0:00	14.79	375,895.70	46.17	23.44	3.51	0.34	4.50	
26-05-22 1:00	14.78	375,742.10	46.18	24.28	3.40	0.34	4.30	
26-05-22 2:00	14.78	374,908.70	46.12	24.64	3.05	0.34	4.08	
26-05-22 3:00	14.77	375,073.70	46.11	24.72	2.77	0.34	4.00	
26-05-22 4:00	14.77	375,517.40	46.09	24.17	2.78	0.34	4.12	
26-05-22 5:00	14.79	375,580.00	46.09	24.12	2.80	0.34	3.82	
26-05-22 6:00	14.79	375,176.10	46.05	24.96	2.82	0.34	3.92	
26-05-22 7:00	14.82	360,936.80	47.25	27.24	2.54	0.34	4.38	
26-05-22 8:00	14.92	343,671.00	39.79	30.43	2.87	0.35	8.13	
26-05-22 9:00	14.92	339,549.40	39.14	38.09	3.02	0.35	7.80	
26-05-22 10:00	14.88	339,919.20	39.44	41.83	0.77	0.35	7.13	
26-05-22 11:00	14.82	346,498.40	39.46	29.86	1.49	0.35	5.48	
26-05-22 12:00	14.76	348,864.90	40.70	25.52	1.63	0.34	5.86	
26-05-22 13:00	14.79	344,658.00	40.04	28.14	1.70	0.34	5.15	
26-05-22 14:00	14.75	346,674.70	40.44	27.09	1.84	0.34	4.82	
26-05-22 15:00	14.76	345,942.20	40.24	27.48	1.94	0.34	4.97	
26-05-22 16:00	14.84	338,795.60	38.90	31.45	2.04	0.34	6.95	
26-05-22 17:00	14.83	339,520.90	38.95	32.82	2.14	0.34	6.53	
26-05-22 18:00	14.93	336,232.80	38.37	36.69	2.14	0.35	7.97	
26-05-22 19:00	14.99	335,618.40	38.40	36.64	2.00	0.35	8.33	
26-05-22 20:00	15.00	324,084.20	36.83	40.48	2.01	0.35	9.61	
26-05-22 21:00	15.01	325,796.50	37.09	41.73	1.62	0.35	9.45	
26-05-22 22:00	15.04	322,889.50	36.96	38.72	1.48	0.36	9.12	
26-05-22 23:00	15.00	341,588.90	39.67	33.65	1.23	0.35	9.52	
27-05-22 0:00	14.76	375,204.50	46.15	22.17	0.94	0.34	4.12	
27-05-22 1:00	14.76	374,996.90	46.22	21.85	1.03	0.34	3.95	
27-05-22 2:00	14.77	375,198.80	46.16	22.06	1.16	0.34	3.81	
27-05-22 3:00	14.77	375,181.80	46.17	22.21	1.14	0.34	3.84	
27-05-22 4:00	14.77	375,068.00	46.19	23.57	0.94	0.34	4.33	
27-05-22 5:00	14.79	374,945.70	46.14	24.72	1.02	0.34	4.21	
27-05-22 6:00	14.78	374,194.70	46.03	24.12	1.17	0.34	4.49	
27-05-22 7:00	14.86	363,602.00	43.75	23.86	0.94	0.35	6.29	
27-05-22 8:00	14.94	339,065.80	39.38	35.62	0.97	0.35	7.96	
27-05-22 9:00	14.93	331,775.50	37.93	40.75	1.13	0.35	8.76	
27-05-22 10:00	14.82	339,385.80	38.10	36.56	1.45	0.35	7.78	
27-05-22 11:00	14.84	337,771.60	38.94	37.40	1.62	0.34	7.68	
27-05-22 12:00	14.79	339,785.50	39.32	34.78	1.72	0.34	6.64	
27-05-22 13:00	14.75	342,934.30	39.88	32.51	1.75	0.34	6.10	
27-05-22 14:00	14.74	343,116.30	39.89	31.96	1.85	0.34	6.43	
27-05-22 15:00	14.78	338,098.70	38.99	36.84	2.00	0.34	7.08	
27-05-22 16:00	14.83	337,143.00	38.73	35.85	2.09	0.34	7.82	
27-05-22 17:00	14.95	337,114.60	38.61	35.83	2.07	0.35	9.00	
27-05-22 18:00	14.98	329,844.20	37.69	41.84	1.91	0.35	9.04	
27-05-22 19:00	15.03	322,929.30	36.62	42.65	1.61	0.36	9.94	
27-05-22 20:00	15.04	321,777.30	36.47	41.27	1.25	0.36	9.93	
27-05-22 21:00	15.06	331,328.90	37.76	37.04	1.03	0.36	9.94	
27-05-22 22:00	15.05	332,267.60	38.11	41.08	1.07	0.36	9.30	
27-05-22 23:00	15.04	343,511.70	39.90	30.83	1.26	0.36	9.82	
28-05-22 0:00	14.78	374,652.70	46.12	28.53	1.09	0.34	5.97	
28-05-22 1:00	14.77	374,888.90	46.17	28.10	1.20	0.34	5.95	
28-05-22 2:00	14.77	374,319.00	46.18	28.16	1.24	0.34	6.39	
28-05-22 3:00	14.77	374,610.00	46.16	28.10	1.15	0.34	6.27	
28-05-22 4:00	14.78	374,860.30	46.18	28.46	0.96	0.34	6.11	
28-05-22 5:00	14.79	374,723.80	46.14	28.36	0.87	0.34	5.89	
28-05-22 6:00	14.80	374,647.00	46.10	28.10	0.83	0.34	5.76	
28-05-22 7:00	14.89	363,274.90	43.78	29.15	0.74	0.35	8.21	
28-05-22 8:00	15.02	332,483.80	38.32	37.39	0.73	0.35	9.23	
28-05-22 9:00	14.99	325,187.80	37.11	42.35	0.78	0.35	9.21	
28-05-22 10:00	14.95	335,692.30	38.57	37.93	1.07	0.35	8.56	
28-05-22 11:00	14.92	336,025.10	38.50	37.37	1.57	0.35	8.92	
28-05-22 12:00	14.91	334,711.00	38.22	37.52	1.56	0.35	9.11	
28-05-22 13:00	14.90	332,267.60	37.89	36.99	1.71	0.35	9.36	
28-05-22 14:00	14.89	331,388.80	37.62	36.17	1.79	0.35	9.73	
28-05-22 15:00	14.87	334,051.10	38.16	37.97	1.80	0.35	9.21	
28-05-22 16:00	14.88	332,247.70	37.85	37.82	1.79	0.35	9.34	
28-05-22 17:00	14.93	330,572.30	37.49	34.40	1.86	0.35	9.96	
28-05-22 18:00	14.96	326,041.10	36.88	36.72	1.80	0.36	10.27	
28-05-22 19:00	14.98	322,755.80	36.59	40.64	1.39	0.35	10.61	
28-05-22 20:00	15.05	326,888.80	37.01	32.94	1.21	0.36	11.54	
28-05-22 21:00	15.08	327,799.00	37.17	32.38	1.57	0.36	11.57	
28-05-22 22:00	15.08	325,230.50	36.78	36.89	0.49	0.36	11.62	
28-05-22 23:00	15.05	342,991.20	39.91	26.26	0.43	0.36	11.19	
29-05-22 0:00	14.68	393,329.30	49.45	16.72	0.22	0.34	6.08	
29-05-22 1:00	14.68	393,767.30	49.53	17.01	0.41	0.34	6.11	
29-05-22 2:00	14.69	394,154.20	49.61	17.11	0.59	0.34	6.07	
29-05-22 3:00	14.69	393,966.50	49.57	17.15	0.51	0.34	6.23	
29-05-22 4:00	14.68	394,003.40	49.61	17.13	0.25	0.33	6.29	
29-05-22 5:00	14.68	393,798.60	49.60	17.22	0.15	0.34	6.26	

29-05-22 6:00	14.70	393,428.90	49.40	18.17	0.14	0.34	6.30
29-05-22 7:00	14.73	388,795.30	48.51	22.68	0.07	0.34	6.55
29-05-22 8:00	14.65	388,655.90	48.50	20.68	0.03	0.33	5.60
29-05-22 9:00	14.62	383,919.90	47.69	23.03	0.05	0.33	5.53
29-05-22 10:00	14.59	381,305.80	47.15	22.43	0.16	0.33	5.50
29-05-22 11:00	14.57	377,940.90	46.61	21.65	0.24	0.33	5.55
29-05-22 12:00	14.56	375,531.60	46.29	20.72	0.22	0.33	5.58
29-05-22 13:00	14.55	375,619.80	46.19	19.62	0.32	0.33	5.63
29-05-22 14:00	14.55	375,648.30	46.12	18.71	0.42	0.33	5.79
29-05-22 15:00	14.56	375,363.80	46.11	18.86	0.50	0.33	5.71
29-05-22 16:00	14.53	377,710.50	46.60	19.82	0.49	0.33	5.67
29-05-22 17:00	14.66	365,453.80	44.21	22.69	0.38	0.33	6.95
29-05-22 18:00	14.99	315,855.20	35.30	31.33	0.42	0.35	11.54
29-05-22 19:00	15.05	310,738.00	34.50	32.11	0.20	0.36	11.61
29-05-22 20:00	15.08	310,078.10	34.40	31.74	0.02	0.36	11.88
29-05-22 21:00	15.10	309,588.90	34.36	32.17	0.01	0.36	11.77
29-05-22 22:00	15.11	309,495.00	34.37	31.68	0.09	0.36	12.04
29-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 8:00	15.14	331,815.20	37.42	35.80	1.68	1.09	21.45
30-05-22 9:00	15.00	338,457.10	38.69	38.57	1.43	0.35	12.89
30-05-22 10:00	14.97	338,036.20	38.71	33.82	1.45	0.35	9.85
30-05-22 11:00	14.93	337,125.90	38.73	37.18	1.51	0.35	9.37
30-05-22 12:00	14.88	338,565.20	39.13	39.20	1.56	0.35	9.64
30-05-22 13:00	14.87	337,416.10	38.96	41.08	1.64	0.35	8.53
30-05-22 14:00	14.88	338,279.90	38.60	42.64	1.75	0.35	8.85
30-05-22 15:00	14.85	338,463.20	38.84	39.54	1.79	0.34	8.58
30-05-22 16:00	14.84	337,746.00	39.04	35.81	1.83	0.34	8.53
30-05-22 17:00	14.84	334,585.90	38.18	32.12	1.90	0.35	10.95
30-05-22 18:00	14.98	329,812.90	37.57	37.19	1.77	0.35	10.78
30-05-22 19:00	15.02	330,298.30	37.80	40.36	1.48	0.35	10.45
30-05-22 20:00	15.06	326,814.80	37.28	40.35	1.26	0.36	11.04
30-05-22 21:00	15.09	323,094.50	36.59	39.63	1.38	0.36	11.66
30-05-22 22:00	15.11	321,902.50	36.50	40.03	1.49	0.36	11.51
30-05-22 23:00	15.01	344,146.00	40.49	31.59	1.45	0.35	9.25
31-05-22 0:00	14.83	375,878.60	46.22	25.89	1.35	0.34	6.70
31-05-22 1:00	14.83	375,302.50	46.24	26.33	1.41	0.34	6.31
31-05-22 2:00	14.82	375,403.60	46.17	26.88	1.46	0.34	6.06
31-05-22 3:00	14.82	375,787.70	46.18	26.97	1.31	0.34	6.10
31-05-22 4:00	14.82	375,750.60	46.20	27.08	0.94	0.34	6.04
31-05-22 5:00	14.83	375,215.90	46.13	27.00	1.02	0.34	6.01
31-05-22 6:00	14.84	375,045.20	46.08	26.71	1.05	0.34	5.94
31-05-22 7:00	14.84	364,193.70	43.65	25.32	1.05	0.35	9.77
31-05-22 8:00	15.03	348,933.20	40.78	28.74	0.92	0.36	10.73
31-05-22 9:00	14.99	343,457.70	39.81	31.57	0.97	0.35	9.70
31-05-22 10:00	14.93	342,018.40	39.67	32.23	1.26	0.35	9.31
31-05-22 11:00	14.81	350,287.20	41.25	30.87	1.37	0.34	7.84
31-05-22 12:00	14.80	345,768.30	41.08	32.21	1.53	0.34	7.42
31-05-22 13:00	14.79	349,749.60	41.14	28.31	1.70	0.34	7.74
31-05-22 14:00	14.88	339,191.00	39.14	37.63	1.92	0.35	9.05
31-05-22 15:00	14.93	339,048.80	39.05	33.70	2.11	0.35	10.52
31-05-22 16:00	14.95	339,131.30	39.05	36.01	2.05	0.35	10.38
31-05-22 17:00	15.01	332,788.20	38.05	36.50	1.87	0.35	10.99
31-05-22 18:00	15.05	324,451.10	36.75	41.26	1.66	0.36	11.51
31-05-22 19:00	15.07	324,675.80	36.79	40.90	1.34	0.36	12.29
31-05-22 20:00	15.07	327,167.50	37.27	40.69	1.20	0.36	11.75
31-05-22 21:00	15.11	323,856.60	36.82	40.04	1.20	0.36	12.26
31-05-22 22:00	15.13	313,095.00	36.10	39.04	1.02	0.36	12.03
31-05-22 23:00	15.04	344,978.20	40.60	30.78	0.98	0.36	8.94
Minimum	14.51	308,141.00	33.79	1.70	0.00	0.33	2.13
Maximum	17.23	401,600.90	52.49	52.71	4.87	2.23	31.77
Avg	14.91	352,134.84	41.46	31.38	0.62	0.36	8.14
Std							
Std = 6.0, 120					STD = 6.20	STD = 28.60	STD = 690

Site Name: GULF\_NRV1  
Stack Name: HRSO1\_STACK2  
Periodically: 01/06/2021 00:00-30/06/2021 23:59

Date & Time	Q2	FLOW @ 1 ATM 25C	Emission Concentration for Standardization Comparison					Remark
			HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2		
			ppm	ppm	mg/m3	ppm		
01-06-22 0:00	14.87	372914.7	27.74	0.53	0.35	6.37		
01-06-22 1:00	14.87	374280.1	28.02	0.45	0.35	6.31		
01-06-22 2:00	14.87	377352.1	28.2	0.35	0.35	6.07		
01-06-22 3:00	14.87	373938.7	28.23	0.41	0.35	5.99		
01-06-22 4:00	14.87	375304.1	27.97	0.53	0.35	6.29		
01-06-22 5:00	14.87	372573.4	28.08	0.76	0.35	5.98		
01-06-22 6:00	14.87	372573.4	27.92	1.11	0.35	5.94		
01-06-22 7:00	14.86	374280.1	28.45	1.41	0.35	6.13		
01-06-22 8:00	14.87	374626.7	27.79	0.89	0.35	6.17		
01-06-22 9:00	14.87	377010.7	28.2	0.37	0.35	5.92		
01-06-22 10:00	14.87	375645.4	28.55	0.36	0.35	5.87		
01-06-22 11:00	14.87	372322.1	28.38	0.42	0.35	5.95		
01-06-22 12:00	14.87	374280.1	28.63	0.49	0.35	5.91		
01-06-22 13:00	14.87	376498.7	28.66	0.74	0.35	5.93		
01-06-22 14:00	14.87	375304.1	28.41	1.08	0.35	6.05		
01-06-22 15:00	14.87	374280.1	28.66	1.43	0.35	5.98		
01-06-22 16:00	14.87	374109.4	28.23	0.93	0.35	5.99		
01-06-22 17:00	14.87	374450.7	28.23	0.45	0.35	6.01		
01-06-22 18:00	14.87	374792.1	28.15	0.39	0.35	6		
01-06-22 19:00	14.87	375133.4	28.44	0.46	0.35	6.03		
01-06-22 20:00	14.87	376840.1	28.26	0.5	0.35	6.05		
01-06-22 21:00	14.87	378034.7	28.22	0.71	0.35	6		
01-06-22 22:00	14.87	373938.7	28.2	1.06	0.35	6.09		
01-06-22 23:00	14.87	375133.4	28.18	1.31	0.35	6.22		
02-06-22 0:00	14.87	375474.7	28.18	0.83	0.35	5.92		
02-06-22 1:00	14.87	376157.4	28.07	0.43	0.35	5.86		
02-06-22 2:00	14.87	375474.7	28.05	0.36	0.35	5.87		
02-06-22 3:00	14.87	374962.7	28.31	0.99	0.35	5.99		
02-06-22 4:00	14.87	375474.7	28.25	0.5	0.35	5.89		
02-06-22 5:00	14.87	374280.1	28.08	0.72	0.35	5.92		
02-06-22 6:00	14.87	375645.4	28.21	1.08	0.35	5.96		
02-06-22 7:00	14.87	375645.4	27.89	1.35	0.35	5.83		
02-06-22 8:00	14.87	372402.7	27.97	0.88	0.35	5.85		
02-06-22 9:00	14.87	374450.7	28.14	0.5	0.35	5.9		
02-06-22 10:00	14.87	374280.1	28.13	0.36	0.35	5.91		
02-06-22 11:00	14.87	373426.7	27.81	0.39	0.35	5.83		
02-06-22 12:00	14.87	374280.1	27.9	0.48	0.35	5.92		
02-06-22 13:00	14.87	376328.1	28.33	0.72	0.35	5.97		
02-06-22 14:00	14.87	375916.1	28.24	1.03	0.35	5.96		
02-06-22 15:00	14.87	374280.1	28.68	1.33	0.35	5.91		
02-06-22 16:00	14.87	375986.7	27.94	0.92	0.35	5.87		
02-06-22 17:00	14.87	375474.7	28.11	0.39	0.35	6.19		
02-06-22 18:00	14.86	376157.4	28.02	0.32	0.35	6.02		
02-06-22 19:00	14.87	376498.7	28.46	0.36	0.35	6.06		
02-06-22 20:00	14.86	375816.1	28.28	0.45	0.35	5.97		
02-06-22 21:00	14.87	374280.1	28.21	0.62	0.35	6.04		
02-06-22 22:00	14.87	374109.4	28.29	0.78	0.35	6.11		
02-06-22 23:00	14.87	374280.1	28.22	1.11	0.35	6.3		
03-06-22 0:00	14.87	373938.7	28.79	1.13	0.35	6.19		
03-06-22 1:00	14.86	374792.1	28.64	0.25	0.35	6.06		
03-06-22 2:00	14.86	372573.4	28.75	0.15	0.35	6.03		
03-06-22 3:00	14.86	371378.7	28.77	0.34	0.35	6.02		
03-06-22 4:00	14.86	374450.7	28.6	0.44	0.35	6.04		
03-06-22 5:00	14.86	372402.7	28.44	0.57	0.35	6.23		
03-06-22 6:00	14.86	374267.7	28.51	0.86	0.35	6.18		
03-06-22 7:00	14.86	373597.4	28.16	1.18	0.35	6.04		
03-06-22 8:00	14.86	375304.1	28.28	1.25	0.35	6.17		
03-06-22 9:00	14.86	374450.7	28.08	0.6	0.35	6.05		
03-06-22 10:00	14.86	375474.7	28.17	0.4	0.35	5.94		
03-06-22 11:00	14.86	375304.1	28.1	0.37	0.35	5.99		
03-06-22 12:00	14.86	372914.7	27.68	0.41	0.35	5.91		
03-06-22 13:00	14.86	374792.1	27.98	0.56	0.35	6.04		
03-06-22 14:00	14.87	377010.7	27.74	0.87	0.35	5.98		
03-06-22 15:00	14.86	378546.7	28.25	1.22	0.35	6.09		
03-06-22 16:00	14.86	376157.4	28.64	1.27	0.35	6.05		
03-06-22 17:00	14.86	375133.4	27.74	0.86	0.35	6.17		
03-06-22 18:00	14.86	374450.7	28.14	0.47	0.35	5.92		
03-06-22 19:00	14.86	376669.4	28.03	0.43	0.35	5.96		
03-06-22 20:00	14.86	373256.1	28.38	0.41	0.35	5.9		
03-06-22 21:00	14.86	375304.1	28.26	0.57	0.35	6		
03-06-22 22:00	14.86	375474.7	28.31	0.87	0.35	5.87		
03-06-22 23:00	14.86	374621.4	28.33	1.2	0.35	6.01		
04-06-22 0:00	14.86	374450.7	27.83	1.16	0.35	5.85		
04-06-22 1:00	14.86	374792.1	28.25	0.64	0.35	5.99		
04-06-22 2:00	14.86	374280.1	28.08	0.44	0.35	5.96		
04-06-22 3:00	14.86	373938.7	28.29	0.41	0.35	6.04		
04-06-22 4:00	14.86	374962.7	27.88	0.45	0.35	6.11		
04-06-22 5:00	14.86	375304.1	27.83	0.64	0.35	5.96		
04-06-22 6:00	14.86	375816.1	28.19	0.96	0.35	5.93		
04-06-22 7:00	14.86	374621.4	28.21	1.34	0.35	6.04		
04-06-22 8:00	14.86	374621.4	27.99	1.32	0.35	6.14		
04-06-22 9:00	14.86	375133.4	28.1	0.97	0.35	6.1		
04-06-22 10:00	14.86	374280.1	28.47	0.4	0.35	6.2		
04-06-22 11:00	14.86	376498.7	28.72	0.38	0.35	6.4		
04-06-22 12:00	14.86	375304.1	28.63	0.41	0.35	6.22		
04-06-22 13:00	14.85	374962.7	27.905	0.6	0.34	6.17		
04-06-22 14:00	14.85	377352.1	29.17	0.89	0.34	6.07		
04-06-22 15:00	14.86	373256.1	28.91	1.27	0.35	6.13		
04-06-22 16:00	14.86	374267.7	28.55	1.25	0.35	6.02		
04-06-22 17:00	14.86	372573.4	28.53	0.65	0.35	6.02		

04-06-22 18:00	14.86	376498.7	28.79	0.39	0.35	5.93	
04-06-22 19:00	14.86	374450.7	28.96	0.41	0.35	6.02	
04-06-22 20:00	14.86	376498.7	28.41	0.43	0.35	6.26	
04-06-22 21:00	14.86	373597.4	28.27	0.59	0.35	6.02	
04-06-22 22:00	14.86	375133.4	28.42	0.88	0.35	6.07	
04-06-22 23:00	14.86	375816.1	28.46	1.21	0.35	6.08	
05-06-22 0:00	14.86	379058.7	28.61	1.16	0.35	6.12	
05-06-22 1:00	14.86	377010.7	28.56	0.61	0.35	6.06	
05-06-22 2:00	14.86	374280.1	28.51	0.46	0.35	6.08	
05-06-22 3:00	14.86	372573.4	28.58	0.45	0.35	6.05	
05-06-22 4:00	14.86	376328.1	28.84	0.46	0.35	6.12	
05-06-22 5:00	14.86	375304.1	28.58	0.62	0.35	6.08	
05-06-22 6:00	14.86	374450.7	28.36	0.89	0.35	6.41	
05-06-22 7:00	14.86	371549.4	28.76	1.27	0.35	6.27	
05-06-22 8:00	14.86	373597.4	28.76	1.39	0.35	6.23	
05-06-22 9:00	14.86	373938.7	28.37	0.73	0.34	6.12	
05-06-22 10:00	14.86	377522.7	28.5	0.43	0.35	6.26	
05-06-22 11:00	14.86	374280.1	28.19	0.42	0.35	5.93	
05-06-22 12:00	14.86	374450.7	28.47	0.47	0.35	6.2	
05-06-22 13:00	14.86	372914.7	28.3	0.52	0.35	6.06	
05-06-22 14:00	14.86	374450.7	28.44	0.81	0.35	6.14	
05-06-22 15:00	14.86	372061.4	28.4	1.14	0.35	6.14	
05-06-22 16:00	14.86	375645.4	28.28	1.36	0.35	6.17	
05-06-22 17:00	14.86	375986.7	28.3	0.8	0.34	6.14	
05-06-22 18:00	14.86	375304.1	28.42	0.48	0.35	6.18	
05-06-22 19:00	14.86	377010.7	28.41	0.44	0.35	6.05	
05-06-22 20:00	14.86	374962.7	28.22	0.49	0.35	6.12	
05-06-22 21:00	14.85	373597.4	28.39	0.59	0.34	6.03	
05-06-22 22:00	14.85	375645.4	29.01	0.84	0.34	6.22	
05-06-22 23:00	14.86	375133.4	28.74	1.11	0.35	6.22	
06-06-22 0:00	14.86	376840.1	28.63	1.48	0.35	6.17	
06-06-22 1:00	14.86	376498.7	29.04	0.96	0.35	6.19	
06-06-22 2:00	14.86	375304.1	29.09	0.46	0.35	6.12	
06-06-22 3:00	14.86	377181.4	28.95	0.42	0.34	6.02	
06-06-22 4:00	14.86	375133.4	28.96	0.46	0.34	6.12	
06-06-22 5:00	14.86	375304.1	28.93	0.53	0.34	6.13	
06-06-22 6:00	14.86	375133.4	28.7	0.63	0.35	6.18	
06-06-22 7:00	14.86	374962.7	28.38	0.83	0.34	6.18	
06-06-22 8:00	14.86	375986.7	28.86	1.13	0.34	6.16	
06-06-22 9:00	14.85	374792.1	29.16	1.29	0.34	6.22	
06-06-22 10:00	14.85	373938.7	28.89	0.66	0.34	6.27	
06-06-22 11:00	14.86	373768.1	28.63	0.44	0.34	6.32	
06-06-22 12:00	14.85	374621.4	28.64	0.48	0.34	6.27	
06-06-22 13:00	14.85	376840.1	28.51	0.51	0.34	6.19	
06-06-22 14:00	14.86	376669.4	28.56	0.62	0.34	6.29	
06-06-22 15:00	14.85	376328.1	28.54	0.92	0.34	6.28	
06-06-22 16:00	14.85	374792.1	28.8	1.23	0.34	6.2	
06-06-22 17:00	14.86	375816.1	28.88	1.43	0.34	6.34	
06-06-22 18:00	14.85	374792.1	28.9	0.84	0.34	6.38	
06-06-22 19:00	14.85	377010.7	28.61	0.5	0.34	6.22	
06-06-22 20:00	14.85	374962.7	28.32	0.46	0.34	6.27	
06-06-22 21:00	14.85	374450.7	28.36	0.5	0.34	6.28	
06-06-22 22:00	14.85	373768.1	28.55	0.62	0.34	6.15	
06-06-22 23:00	14.85	37752.1	28.14	0.92	0.34	6	
07-06-22 0:00	14.85	375304.1	28.04	1.17	0.34	6.16	
07-06-22 1:00	14.85	376328.1	28.33	1.44	0.34	6.1	
07-06-22 2:00	14.85	375304.1	28.13	0.89	0.34	6.05	
07-06-22 3:00	14.85	377181.4	28.24	0.56	0.34	6.03	
07-06-22 4:00	14.85	375304.1	28.14	0.48	0.34	6.1	
07-06-22 5:00	14.85	376669.4	27.86	0.46	0.34	6.11	
07-06-22 6:00	14.85	373938.7	28.52	0.53	0.32	6.07	
07-06-22 7:00	14.85	374109.4	27.4	0.84	0.34	6.05	
07-06-22 8:00	14.85	374792.1	27.3	1.17	0.34	5.86	
07-06-22 9:00	14.85	374450.7	27.49	1.4	0.34	5.94	
07-06-22 10:00	14.84	374280.1	27.94	0.9	0.34	6.02	
07-06-22 11:00	14.85	374792.1	28.3	0.58	0.34	6.01	
07-06-22 12:00	14.85	374792.1	28.48	0.46	0.34	6.17	
07-06-22 13:00	14.84	37752.1	27.83	0.52	0.34	6.29	
07-06-22 14:00	14.84	374792.1	27.89	0.57	0.34	6.2	
07-06-22 15:00	14.84	374280.1	28.28	0.68	0.34	6.06	
07-06-22 16:00	14.85	376328.1	28.21	0.99	0.34	6.3	
07-06-22 17:00	14.85	375986.7	27.3	1.35	0.34	6.46	
07-06-22 18:00	14.85	375645.4	27.51	0.89	0.34	6.2	
07-06-22 19:00	14.85	375816.1	28.92	0.52	0.34	5.99	
07-06-22 20:00	14.84	375304.1	28.81	0.46	0.34	5.99	
07-06-22 21:00	14.86	376840.1	28.14	0.5	0.34	6.05	
07-06-22 22:00	14.84	376328.1	27.95	0.58	0.34	6.39	
07-06-22 23:00	14.84	375816.1	27.96	0.86	0.34	6.21	
08-06-22 0:00	14.85	375645.4	28.17	1.16	0.34	6	
08-06-22 1:00	14.85	376328.1	28.49	1.5	0.34	6.22	
08-06-22 2:00	14.84	374280.1	27.99	1.1	0.34	6.32	
08-06-22 3:00	14.84	376157.4	28.99	0.56	0.34	6.07	
08-06-22 4:00	14.84	377864.1	28.23	0.5	0.34	6.27	
08-06-22 5:00	14.84	379400.1	28.62	0.48	0.34	6.14	
08-06-22 6:00	14.84	374450.7	28.32	0.54	0.34	6.3	
08-06-22 7:00	14.84	374109.4	28.32	0.79	0.34	6.25	
08-06-22 8:00	14.85	375304.1	28.37	1.06	0.34	6.38	
08-06-22 9:00	14.84	374792.1	28.51	1.4	0.34	6.29	
08-06-22 10:00	14.84	377864.1	28.94	1.24	0.34	6.12	
08-06-22 11:00	14.84	376498.7	28.61	0.81	0.34	5.94	
08-06-22 12:00	14.84	373426.7	27.44	0.51	0.34	6.06	
08-06-22 13:00	14.84	374962.7	27.48	0.51	0.34	6.21	
08-06-22 14:00	14.84	377693.4	27.83	0.57	0.34	6.07	
08-06-22 15:00	14.84	375304.1	27.89	0.76	0.34	6.07	
08-06-22 16:00	14.84	375474.7	28.13	1.04	0.34	6.1	
08-06-22 17:00	14.84	376157.4	27.91	1.42	0.34	5.97	
08-06-22 18:00	14.84	376328.1	28.19	1.21	0.34	6.3	
08-06-22 19:00	14.84	373426.7	27.92	0.63	0.34	6.07	

08-06-22 20:00	14.84	375645.4	27.95	0.49	0.34	6.1	
08-06-22 21:00	14.84	375986.7	27.86	0.47	0.34	6.01	
08-06-22 22:00	14.84	372914.7	27.64	0.42	0.34	6.02	
08-06-22 23:00	14.84	373938.7	27.53	0.58	0.34	6.25	
09-06-22 0:00	14.84	374792.1	28.19	0.88	0.34	6.19	
09-06-22 1:00	14.84	373938.7	28.59	1.32	0.34	6.36	
09-06-22 2:00	14.84	375816.1	28.32	1.23	0.34	6.19	
09-06-22 3:00	14.84	371549.4	28.34	0.65	0.34	6.21	
09-06-22 4:00	14.84	374109.4	28.48	0.59	0.34	6.33	
09-06-22 5:00	14.84	373768.1	28.36	0.55	0.34	6.22	
09-06-22 6:00	14.84	373938.7	28.25	0.57	0.34	6.22	
09-06-22 7:00	14.84	372573.4	28.42	0.77	0.34	6.35	
09-06-22 8:00	14.84	371890.7	28.34	1.1	0.34	6.27	
09-06-22 9:00	14.85	375645.4	28.16	1.43	0.34	6.7	
09-06-22 10:00	14.84	374621.4	28.14	1.28	0.34	6.6	
09-06-22 11:00	14.84	375474.7	28.18	0.67	0.34	6.45	
09-06-22 12:00	14.84	375256.1	28.19	0.54	0.34	6.35	
09-06-22 13:00	14.84	373085.4	27.73	0.55	0.34	6.4	
09-06-22 14:00	14.84	373256.1	27.82	0.57	0.34	6.29	
09-06-22 15:00	14.84	374109.4	28.57	0.75	0.34	6.46	
09-06-22 16:00	14.84	373768.1	28.81	1.13	0.34	6.36	
09-06-22 17:00	14.84	373768.1	28.75	1.52	0.34	6.44	
09-06-22 18:00	14.84	376157.4	28.56	1.41	0.34	6.39	
09-06-22 19:00	14.84	374109.4	28.57	0.75	0.34	6.46	
09-06-22 20:00	14.84	373597.4	28.28	0.64	0.34	6.4	
09-06-22 21:00	14.84	375474.7	28.16	0.65	0.34	6.67	
09-06-22 22:00	14.84	375474.7	28.41	0.71	0.34	6.42	
09-06-22 23:00	14.84	374109.4	28.14	0.91	0.34	6.14	
10-06-22 0:00	14.84	375474.7	28.3	1.18	0.34	6.32	
10-06-22 1:00	14.84	373085.4	28.27	1.52	0.34	6.48	
10-06-22 2:00	14.84	375304.1	27.91	1.39	0.34	6.09	
10-06-22 3:00	14.83	372914.7	27.41	0.87	0.34	6.04	
10-06-22 4:00	14.84	372914.7	27.5	0.69	0.34	6.22	
10-06-22 5:00	14.83	375816.1	27.1	0.62	0.34	6.12	
10-06-22 6:00	14.84	373085.4	26.68	0.63	0.34	6.25	
10-06-22 7:00	14.83	376133.4	27.64	0.82	0.34	6.27	
10-06-22 8:00	14.83	374962.7	27.6	1.19	0.34	6.4	
10-06-22 9:00	14.84	374792.1	27.64	1.61	0.34	6.24	
10-06-22 10:00	14.83	376157.4	27.42	1.49	0.34	6.14	
10-06-22 11:00	14.83	374450.7	26.83	0.8	0.34	6.18	
10-06-22 12:00	14.83	373938.7	27.16	0.62	0.34	6.13	
10-06-22 13:00	14.83	376328.1	27.14	0.59	0.34	6.2	
10-06-22 14:00	14.83	373938.7	27.35	0.64	0.34	6.3	
10-06-22 15:00	14.83	377181.4	27.86	0.89	0.34	6.33	
10-06-22 16:00	14.83	374450.7	27.69	1.16	0.34	6.44	
10-06-22 17:00	14.84	374621.4	27.53	1.56	0.34	6.27	
10-06-22 18:00	14.83	376376.1	27.48	1.47	0.34	6.56	
10-06-22 19:00	14.83	377181.4	27.15	0.59	0.34	6.59	
10-06-22 20:00	14.83	37232.1	27.02	0.66	0.34	6.49	
10-06-22 21:00	14.83	373768.1	27.01	0.63	0.34	6.14	
10-06-22 22:00	14.83	372596.1	27.09	0.68	0.34	5.91	
10-06-22 23:00	14.84	376157.4	27.54	0.92	0.34	6.06	
11-06-22 0:00	14.84	375304.1	27.63	1.22	0.34	6.13	
11-06-22 1:00	14.84	374450.7	27.6	1.57	0.34	6.02	
11-06-22 2:00	14.84	376157.4	27.62	1.43	0.34	6.15	
11-06-22 3:00	14.83	374792.1	27.33	0.74	0.34	6.03	
11-06-22 4:00	14.84	374280.1	27.43	0.57	0.34	5.97	
11-06-22 5:00	14.84	374621.4	27.83	0.62	0.34	6.16	
11-06-22 6:00	14.84	374450.7	27.66	0.61	0.34	5.93	
11-06-22 7:00	14.84	373768.1	27.86	0.81	0.34	6.17	
11-06-22 8:00	14.84	374962.7	27.66	1.1	0.34	6.33	
11-06-22 9:00	14.84	376498.7	28.14	1.36	0.34	6.11	
11-06-22 10:00	14.84	375645.4	27.81	1.28	0.34	6.04	
11-06-22 11:00	14.84	374621.4	27.51	0.63	0.34	6.02	
11-06-22 12:00	14.84	374962.7	27.46	0.59	0.34	6.33	
11-06-22 13:00	14.83	376498.7	27.83	0.88	0.34	6.05	
11-06-22 14:00	14.83	374962.7	28.42	0.7	0.34	5.96	
11-06-22 15:00	14.84	373597.4	27.59	0.88	0.34	5.85	
11-06-22 16:00	14.84	374109.4	27.33	1.16	0.34	5.94	
11-06-22 17:00	14.84	376157.4	27.76	1.5	0.34	6.02	
11-06-22 18:00	14.84	375304.1	27.24	1.47	0.34	6.26	
11-06-22 19:00	14.83	375986.7	26.94	0.75	0.34	6.32	
11-06-22 20:00	14.83	376669.4	27.15	0.61	0.34	6.48	
11-06-22 21:00	14.83	377352.1	27.48	0.62	0.34	6.38	
11-06-22 22:00	14.83	376380.7	27.19	0.66	0.34	6.33	
11-06-22 23:00	14.83	376669.4	27.9	0.83	0.34	6.49	
12-06-22 0:00	14.83	375133.4	27.65	1.12	0.34	6.12	
12-06-22 1:00	14.84	374109.4	27.43	1.53	0.34	5.95	
12-06-22 2:00	14.84	376840.1	27.25	1.39	0.34	6.34	
12-06-22 3:00	14.83	377693.4	27.22	0.72	0.34	6.04	
12-06-22 4:00	14.83	377181.4	27.44	0.53	0.34	5.88	
12-06-22 5:00	14.83	376157.4	27.29	0.54	0.34	5.88	
12-06-22 6:00	14.83	375986.7	27.21	0.57	0.34	5.87	
12-06-22 7:00	14.83	376803.7	27.85	0.73	0.34	5.92	
12-06-22 8:00	14.83	376205.4	27.94	1.05	0.34	5.88	
12-06-22 9:00	14.83	374792.1	28.06	1.46	0.34	6.23	
12-06-22 10:00	14.83	375474.7	28.26	1.41	0.34	6.33	
12-06-22 11:00	14.83	374621.4	27.84	0.66	0.34	6.24	
12-06-22 12:00	14.83	374962.7	27.68	0.47	0.34	6.07	
12-06-22 13:00	14.83	374621.4	27.99	0.53	0.34	6.09	
12-06-22 14:00	14.83	372744.1	27.73	0.6	0.34	5.94	
12-06-22 15:00	14.83	370866.7	27.9	0.8	0.34	5.83	
12-06-22 16:00	14.83	372573.4	27.81	1.05	0.34	5.87	
12-06-22 17:00	14.83	373938.7	27.86	1.44	0.34	6.0	
12-06-22 18:00	14.83	374450.7	27.86	1.43	0.34	6.12	
12-06-22 19:00	14.83	374621.4	27.59	0.74	0.34	6.23	
12-06-22 20:00	14.83	374962.7	26.88	0.59	0.34	6.39	
12-06-22 21:00	14.83	375645.4	26.95	0.6	0.34	6.53	

12-06-22 22:00	14.83	374792.1	27.24	0.67	0.34	6.29
12-06-22 23:00	14.83	372744.1	27.41	0.88	0.34	5.92
13-06-22 0:00	14.83	375304.1	27.58	1.12	0.34	5.98
13-06-22 1:00	14.83	375474.7	27.41	1.44	0.34	6.27
13-06-22 2:00	14.83	376840.1	27.08	1.21	0.34	6.38
13-06-22 3:00	14.83	374280.1	26.97	0.69	0.34	6.41
13-06-22 4:00	14.83	376328.1	27.07	0.59	0.34	6.45
13-06-22 5:00	14.83	375986.7	27.1	0.6	0.34	6.14
13-06-22 6:00	14.83	374621.4	26.59	0.7	0.34	5.92
13-06-22 7:00	14.83	375304.1	26.47	0.92	0.34	5.75
13-06-22 8:00	14.83	377010.7	26.56	1.3	0.34	6.18
13-06-22 9:00	14.83	376157.4	26.32	1.64	0.34	6.2
13-06-22 10:00	14.82	375986.7	26.29	1.1	0.34	5.94
13-06-22 11:00	14.83	374962.7	25.74	0.68	0.34	6
13-06-22 12:00	14.82	375645.4	25.73	0.56	0.34	6.13
13-06-22 13:00	14.83	374280.1	26.11	0.59	0.34	5.93
13-06-22 14:00	14.83	377010.7	25.61	0.77	0.34	5.94
13-06-22 15:00	14.83	375986.7	25.61	1.08	0.34	6.01
13-06-22 16:00	14.83	374792.1	25.87	1.38	0.34	6.25
13-06-22 17:00	14.83	374621.4	25.67	1.44	0.34	6.4
13-06-22 18:00	14.82	374109.4	25.91	0.82	0.34	6.45
13-06-22 19:00	14.83	375133.4	25.79	0.65	0.34	6.44
13-06-22 20:00	14.82	375304.1	25.79	0.64	0.34	6.52
13-06-22 21:00	14.83	376157.4	26.02	0.68	0.34	6.27
13-06-22 22:00	14.83	374450.7	25.98	0.9	0.34	6.07
13-06-22 23:00	14.83	374280.1	26.33	1.18	0.34	5.89
14-06-22 0:00	14.83	375304.1	26.39	1.49	0.34	5.99
14-06-22 1:00	14.82	376328.1	26.32	0.38	0.34	6.05
14-06-22 2:00	14.82	374450.7	25.94	0.68	0.34	6.05
14-06-22 3:00	14.83	377352.1	26.14	0.56	0.34	5.87
14-06-22 4:00	14.82	374792.1	25.59	0.54	0.34	5.73
14-06-22 5:00	14.82	374280.1	26.03	0.81	0.34	5.85
14-06-22 6:00	14.82	375986.7	26.03	0.85	0.34	5.88
14-06-22 7:00	14.82	374280.1	25.54	1.12	0.34	5.71
14-06-22 8:00	14.82	374962.7	26	1.43	0.34	5.73
14-06-22 9:00	14.82	377010.7	25.74	0.95	0.34	5.78
14-06-22 10:00	14.83	378034.7	25.15	0.57	0.34	6.29
14-06-22 11:00	14.82	374962.7	26.21	0.46	0.34	5.77
14-06-22 12:00	14.82	377181.4	25.96	0.45	0.34	5.91
14-06-22 13:00	14.82	375133.4	26.34	0.63	0.34	5.74
14-06-22 14:00	14.83	375133.4	26.24	0.92	0.34	5.8
14-06-22 15:00	14.83	374109.4	26.08	1.22	0.34	5.9
14-06-22 16:00	14.83	374962.7	26.2	1.33	0.34	5.84
14-06-22 17:00	14.83	376840.1	25.84	0.75	0.34	6.2
14-06-22 18:00	14.82	376840.1	25.42	0.52	0.34	5.87
14-06-22 19:00	14.83	374450.7	25.58	0.49	0.34	5.68
14-06-22 20:00	14.83	372744.1	25.35	0.49	0.34	5.76
14-06-22 21:00	14.82	375133.4	25.6	0.69	0.34	5.74
14-06-22 22:00	14.82	375474.7	26.32	0.94	0.34	5.88
14-06-22 23:00	14.83	373938.7	26.38	1.28	0.34	5.68
15-06-22 0:00	14.83	377010.7	26.26	1.11	0.34	5.99
15-06-22 1:00	14.83	377522.7	25.72	0.61	0.34	6.32
15-06-22 2:00	14.83	375816.1	25.91	0.49	0.34	6.31
15-06-22 3:00	14.82	377352.1	26.12	0.49	0.34	6.3
15-06-22 4:00	14.83	378205.4	26.32	0.53	0.34	6.57
15-06-22 5:00	14.83	374280.1	26.5	0.78	0.34	6.32
15-06-22 6:00	14.83	375133.4	26.61	1.07	0.34	6.47
15-06-22 7:00	14.83	377522.7	26.5	1.34	0.34	6.37
15-06-22 8:00	14.83	374450.7	26.58	0.96	0.34	6.29
15-06-22 9:00	14.82	376669.4	26.45	0.53	0.34	6.28
15-06-22 10:00	14.82	375474.7	26.5	0.43	0.34	6.5
15-06-22 11:00	14.82	377352.1	26.6	0.41	0.34	6.26
15-06-22 12:00	14.82	376157.4	26.82	0.55	0.34	5.98
15-06-22 13:00	14.82	372914.7	27.23	0.77	0.34	6.31
15-06-22 14:00	14.82	374621.4	27.32	1.09	0.34	6.51
15-06-22 15:00	14.83	376498.7	26.99	1.25	0.34	6.55
15-06-22 16:00	14.82	374280.1	26.67	0.66	0.34	6.45
15-06-22 17:00	14.83	371720.1	26.31	0.38	0.34	6.18
15-06-22 18:00	14.83	375133.4	25.29	0.37	0.34	6.17
15-06-22 19:00	14.83	378034.7	26.04	0.4	0.34	6.1
15-06-22 20:00	14.83	375645.4	25.94	0.65	0.34	6.05
15-06-22 21:00	14.83	374450.7	25.69	0.82	0.34	5.8
15-06-22 22:00	14.83	375645.4	27	1.24	0.34	6.08
15-06-22 23:00	14.83	376669.4	26.97	1.16	0.34	6.08
16-06-22 0:00	14.83	374962.7	25.79	0.63	0.34	5.93
16-06-22 1:00	14.83	375645.4	25.66	0.44	0.34	6.19
16-06-22 2:00	14.83	377368.1	25.53	0.39	0.34	6.32
16-06-22 3:00	14.83	373597.4	25.77	0.48	0.34	6.43
16-06-22 4:00	14.83	372914.7	26.04	0.72	0.34	6.47
16-06-22 5:00	14.83	373597.4	26.15	1.01	0.34	6.35
16-06-22 6:00	14.83	375816.1	25.54	1.38	0.34	6.24
16-06-22 7:00	14.83	375645.4	26.75	0.96	0.34	5.98
16-06-22 8:00	14.83	371890.7	25.56	0.48	0.34	5.55
16-06-22 9:00	14.83	374621.4	25.9	0.37	0.34	5.65
16-06-22 10:00	14.82	374792.1	25.89	0.43	0.34	5.89
16-06-22 11:00	14.83	374621.4	25.6	0.53	0.34	5.96
16-06-22 12:00	14.83	371549.4	25.54	0.77	0.34	5.89
16-06-22 13:00	14.83	376498.7	25.83	1.1	0.34	5.67
16-06-22 14:00	14.83	374450.7	25.36	1.34	0.34	6.2
16-06-22 15:00	14.82	373597.4	25.02	0.8	0.34	6.28
16-06-22 16:00	14.83	374450.7	26.3	0.38	0.34	6.35
16-06-22 17:00	14.83	376669.4	26.16	0.36	0.34	6.4
16-06-22 18:00	14.83	375645.4	25.9	0.42	0.34	6.41
16-06-22 19:00	14.83	376328.1	25.92	0.56	0.34	6.34
16-06-22 20:00	14.83	375986.7	26.06	0.73	0.34	6.27
16-06-22 21:00	14.83	375816.1	26.32	1.13	0.34	6.17
16-06-22 22:00	14.83	377010.7	26.08	1.25	0.34	6.22
16-06-22 23:00	14.83	373768.1	25.88	0.66	0.34	6.08

17-06-22 0:00	14.83	373938.7	26.09	0.4	0.34	5.91	
17-06-22 1:00	14.83	376157.4	25.97	0.44	0.34	5.75	
17-06-22 2:00	14.83	374621.4	25.58	0.49	0.34	6.35	
17-06-22 3:00	14.83	372914.7	25.81	0.68	0.34	6.23	
17-06-22 4:00	14.83	374962.7	25.79	0.98	0.34	6.33	
17-06-22 5:00	14.83	374962.7	26.21	1.29	0.34	6.38	
17-06-22 6:00	14.83	375304.1	26.41	0.91	0.34	6.14	
17-06-22 7:00	14.83	374450.7	26.12	0.53	0.34	5.98	
17-06-22 8:00	14.83	374426.7	26.14	0.43	0.34	5.95	
17-06-22 9:00	14.83	377181.4	26.16	0.44	0.34	5.89	
17-06-22 10:00	14.83	375133.4	26.18	0.57	0.34	5.86	
17-06-22 11:00	14.83	373426.7	25.7	0.85	0.34	5.99	
17-06-22 12:00	14.83	375304.1	25.59	1.12	0.34	6.36	
17-06-22 13:00	14.83	376157.4	25.56	1.17	0.34	6.46	
17-06-22 14:00	14.83	376157.4	25.88	0.64	0.34	6.09	
17-06-22 15:00	14.83	374280.1	25.9	0.38	0.34	6.06	
17-06-22 16:00	14.83	373938.7	26.08	0.38	0.34	6.19	
17-06-22 17:00	14.83	375645.4	25.95	0.44	0.34	6.37	
17-06-22 18:00	14.83	375304.1	25.75	0.65	0.34	6.45	
17-06-22 19:00	14.83	376940.1	25.41	0.95	0.34	6.72	
17-06-22 20:00	14.83	377010.7	26.08	1.33	0.34	6.59	
17-06-22 21:00	14.83	376157.4	25.48	1.11	0.34	6.8	
17-06-22 22:00	14.83	375304.1	25.67	0.47	0.34	6.63	
17-06-22 23:00	14.83	376328.1	26.13	0.38	0.34	6.44	
18-06-22 0:00	14.83	374792.1	25.98	0.36	0.34	6.37	
18-06-22 1:00	14.83	375645.4	25.82	0.45	0.34	6.25	
18-06-22 2:00	14.83	374962.7	25.59	0.73	0.34	6.58	
18-06-22 3:00	14.83	375474.7	26.71	1.03	0.34	6.81	
18-06-22 4:00	14.83	373768.1	26.4	1.3	0.34	6.33	
18-06-22 5:00	14.83	372402.7	26.03	0.82	0.34	6.43	
18-06-22 6:00	14.83	374792.1	25.89	0.39	0.34	6.5	
18-06-22 7:00	14.82	375304.1	25.47	0.34	0.34	6.34	
18-06-22 8:00	14.83	374792.1	25.98	0.34	0.34	6.13	
18-06-22 9:00	14.82	374792.1	26.12	0.57	0.34	6.2	
18-06-22 10:00	14.83	376940.1	26.49	0.85	0.34	6.07	
18-06-22 11:00	14.83	37273.4	26.09	1.21	0.34	6.52	
18-06-22 12:00	14.83	374792.1	25.86	1	0.34	6.31	
18-06-22 13:00	14.82	377864.1	25.87	0.41	0.34	6.43	
18-06-22 14:00	14.82	375304.1	26.15	0.29	0.34	6.56	
18-06-22 15:00	14.82	376986.7	26.82	0.3	0.34	6.44	
18-06-22 16:00	14.82	376498.7	26.23	0.5	0.34	6.56	
18-06-22 17:00	14.83	377181.4	26.31	0.79	0.34	6.33	
18-06-22 18:00	14.83	372402.7	25.99	1.15	0.34	6.3	
18-06-22 19:00	14.83	372914.7	26.21	1.05	0.34	5.9	
18-06-22 20:00	14.83	372744.1	25.67	0.49	0.34	5.76	
18-06-22 21:00	14.83	376840.1	26.06	0.36	0.34	6.19	
18-06-22 22:00	14.83	376986.7	25.83	0.35	0.34	6.77	
18-06-22 23:00	14.82	375645.4	26.22	0.46	0.34	6.55	
19-06-22 0:00	14.83	376205.4	25.87	0.73	0.34	6.64	
19-06-22 1:00	14.83	376840.1	25.67	1.14	0.34	6.39	
19-06-22 2:00	14.82	376940.1	25.41	1.12	0.34	6.52	
19-06-22 3:00	14.82	375133.4	24.91	0.46	0.34	6.34	
19-06-22 4:00	14.81	375645.4	25.4	0.27	0.34	6.88	
19-06-22 5:00	14.81	374109.4	25.48	0.29	0.34	6.7	
19-06-22 6:00	14.82	372402.7	25.73	0.17	0.34	6.37	
19-06-22 7:00	14.81	371890.7	25.42	0.74	0.34	5.99	
19-06-22 8:00	14.82	376157.4	25.4	1.08	0.34	5.75	
19-06-22 9:00	14.82	373256.1	25.31	1.02	0.34	5.54	
19-06-22 10:00	14.83	373256.1	24.59	0.46	0.34	5.99	
19-06-22 11:00	14.82	375474.7	24.65	0.25	0.34	5.94	
19-06-22 12:00	14.82	375304.1	24.8	0.23	0.34	5.91	
19-06-22 13:00	14.82	374450.7	25.41	0.48	0.34	6.03	
19-06-22 14:00	14.82	376669.4	25.31	0.8	0.34	5.87	
19-06-22 15:00	14.83	375986.7	25.34	1.07	0.34	5.89	
19-06-22 16:00	14.82	376669.4	25.31	0.93	0.34	6.2	
19-06-22 17:00	14.82	374621.4	25.29	0.47	0.34	6.24	
19-06-22 18:00	14.82	371890.7	25.21	0.31	0.34	6.36	
19-06-22 19:00	14.82	374621.4	25.1	0.29	0.34	6.24	
19-06-22 20:00	14.82	373768.1	25.51	0.54	0.34	5.99	
19-06-22 21:00	14.82	372061.4	25.42	0.88	0.34	5.88	
19-06-22 22:00	14.82	373938.4	26.26	1.15	0.34	6.09	
19-06-22 23:00	14.82	373256.1	24.98	0.65	0.34	6.27	
20-06-22 0:00	14.81	373768.1	25.13	0.28	0.34	6.39	
20-06-22 1:00	14.81	374962.7	24.69	0.22	0.34	6.38	
20-06-22 2:00	14.82	371201.1	24.68	0.35	0.34	6.31	
20-06-22 3:00	14.82	371378.7	24.65	0.67	0.34	6.34	
20-06-22 4:00	14.82	374450.7	25.27	0.99	0.34	6.41	
20-06-22 5:00	14.82	37232.1	25.31	0.97	0.34	6.38	
20-06-22 6:00	14.82	376986.7	25.07	0.41	0.34	6.34	
20-06-22 7:00	14.82	373938.4	25.27	0.22	0.34	6.17	
20-06-22 8:00	14.81	374962.7	25.57	0.33	0.34	5.81	
20-06-22 9:00	14.81	375133.4	25.44	0.67	0.34	5.89	
20-06-22 10:00	14.82	376328.1	25.6	1.02	0.34	6.36	
20-06-22 11:00	14.81	376328.1	25.38	0.78	0.34	5.78	
20-06-22 12:00	14.81	376157.4	25.15	0.4	0.34	6.03	
20-06-22 13:00	14.81	375816.1	24.97	0.21	0.34	6.26	
20-06-22 14:00	14.81	374621.4	24.91	0.39	0.34	6.24	
20-06-22 15:00	14.81	374962.7	24.46	0.61	0.34	6.12	
20-06-22 16:00	14.81	373938.4	24.42	0.82	0.34	5.79	
20-06-22 17:00	14.81	374280.1	24.3	0.66	0.34	6.12	
20-06-22 18:00	14.8	375816.1	23.82	0.23	0.34	6.22	
20-06-22 19:00	14.81	376328.1	23.53	0.12	0.34	6.28	
20-06-22 20:00	14.81	373426.7	24.1	0.38	0.34	5.97	
20-06-22 21:00	14.8	374109.4	24.37	0.71	0.34	6.38	
20-06-22 22:00	14.81	375816.1	24.14	0.99	0.34	6.12	
20-06-22 23:00	14.8	374109.4	23.78	0.64	0.34	6.42	
21-06-22 0:00	14.8	375474.7	23.64	0.25	0.34	6.53	
21-06-22 1:00	14.81	374450.7	24.43	0.17	0.34	6.15	

21-06-22 2:00	14.81	375986.7	24	0.35	0.34	6.55
21-06-22 3:00	14.81	375474.7	24.2	0.7	0.34	6.54
21-06-22 4:00	14.81	374962.7	24.48	0.91	0.34	6.51
21-06-22 5:00	14.8	375474.7	23.92	0.54	0.34	6.51
21-06-22 6:00	14.8	373426.7	23.86	0.24	0.34	6.51
21-06-22 7:00	14.8	372744.1	23.81	0.2	0.34	6.72
21-06-22 8:00	14.8	376669.4	24.52	0.42	0.34	6.43
21-06-22 9:00	14.8	375986.7	24.3	0.72	0.34	6.71
21-06-22 10:00	14.8	377522.7	23.96	0.86	0.34	6.93
21-06-22 11:00	14.8	375986.7	24.17	0.44	0.34	6.78
21-06-22 12:00	14.8	374962.7	24.24	0.17	0.34	6.9
21-06-22 13:00	14.79	374792.1	24.25	0.23	0.34	6.84
21-06-22 14:00	14.8	375474.7	24.03	0.44	0.34	6.77
21-06-22 15:00	14.79	377010.7	24.02	0.7	0.34	7.05
21-06-22 16:00	14.79	375816.1	24.53	0.78	0.34	7.09
21-06-22 17:00	14.79	374962.7	24.57	0.38	0.34	7.01
21-06-22 18:00	14.79	377693.4	24.31	0.17	0.34	7.1
21-06-22 19:00	14.78	374450.7	24.58	0.28	0.34	7.13
21-06-22 20:00	14.78	374621.4	24.19	0.55	0.34	7.18
21-06-22 21:00	14.78	375474.7	24.3	0.82	0.34	7.12
21-06-22 22:00	14.78	374792.1	24.24	0.75	0.34	7.3
21-06-22 23:00	14.77	374450.7	24.44	0.35	0.34	7.25
22-06-22 0:00	14.77	377181.4	24	0.17	0.34	7.08
22-06-22 1:00	14.77	376328.1	24.34	0.25	0.34	7.1
22-06-22 2:00	14.77	375133.4	24.28	0.45	0.34	7.33
22-06-22 3:00	14.77	376840.1	24.21	0.74	0.34	7.39
22-06-22 4:00	14.77	375133.4	24.35	0.6	0.34	7.2
22-06-22 5:00	14.76	375450.7	24.4	0.25	0.34	7.49
22-06-22 6:00	14.78	374280.1	24.09	0.12	0.34	7.12
22-06-22 7:00	14.78	373768.1	24.67	0.31	0.34	7.1
22-06-22 8:00	14.77	377864.1	25.03	0.58	0.34	7.59
22-06-22 9:00	14.76	378717.4	25.02	0.7	0.34	7.95
22-06-22 10:00	14.75	379058.7	26.87	0.57	0.34	8.09
22-06-22 11:00	14.75	374280.1	27.57	0.31	0.34	7.96
22-06-22 12:00	14.76	375474.7	26.22	0.26	0.34	7.48
22-06-22 13:00	14.76	376157.4	26.45	0.29	0.34	7.48
22-06-22 14:00	14.77	367965.4	27.64	0.67	0.34	6.99
22-06-22 15:00	14.76	379912.1	22.86	0.83	0.34	7.24
22-06-22 16:00	14.74	379058.7	25.36	0.55	0.34	8.05
22-06-22 17:00	14.75	376840.1	25.19	0.29	0.34	7.49
22-06-22 18:00	14.76	375986.7	24.72	0.22	0.34	7.28
22-06-22 19:00	14.77	374280.1	24.05	0.46	0.34	7.2
22-06-22 20:00	14.76	376669.4	24.31	0.72	0.34	7.46
22-06-22 21:00	14.75	375304.1	25.46	0.81	0.34	7.71
22-06-22 22:00	14.75	376498.7	25.97	0.53	0.34	7.46
22-06-22 23:00	14.75	377352.1	25.5	0.29	0.34	7.67
23-06-22 0:00	14.75	376669.4	25.31	0.34	0.34	7.59
23-06-22 1:00	14.74	374621.4	24.88	0.53	0.34	7.67
23-06-22 2:00	14.75	370865.7	24.76	0.76	0.34	7.33
23-06-22 3:00	14.75	374621.4	24.44	0.74	0.34	7.56
23-06-22 4:00	14.74	375474.7	25.36	0.31	0.34	7.6
23-06-22 5:00	14.74	375816.1	25.18	0.34	0.34	7.65
23-06-22 6:00	14.74	376840.1	25.46	0.1	0.34	7.39
23-06-22 7:00	14.74	373768.1	25.49	0.48	0.34	7.76
23-06-22 8:00	14.74	374621.4	25.49	0.81	0.34	7.82
23-06-22 9:00	14.74	375304.1	25.57	0.7	0.34	7.77
23-06-22 10:00	14.74	375816.1	25.38	0.45	0.34	7.53
23-06-22 11:00	14.74	378717.4	25.12	0.34	0.34	7.83
23-06-22 12:00	14.73	377181.4	25.85	0.82	0.34	7.95
23-06-22 13:00	14.75	370388.7	26.21	0.59	0.34	7.69
23-06-22 14:00	14.73	375816.1	25.87	0.47	0.34	7.46
23-06-22 15:00	14.73	377352.1	25.45	0.28	0.34	7.69
23-06-22 16:00	14.73	375133.4	25.53	0.5	0.34	7.83
23-06-22 17:00	14.73	376157.4	25.41	0.43	0.34	7.64
23-06-22 18:00	14.73	375645.4	25.4	0.5	0.34	7.77
23-06-22 19:00	14.73	379570.7	26.01	0.71	0.34	7.65
23-06-22 20:00	14.73	376328.1	26.09	0.91	0.34	7.6
23-06-22 21:00	14.72	374792.1	25.62	0.76	0.34	7.89
23-06-22 22:00	14.72	374792.1	25.54	0.54	0.34	7.89
23-06-22 23:00	14.72	377693.4	24.96	0.4	0.34	7.88
24-06-22 0:00	14.72	378888.1	25.64	0.51	0.34	7.87
24-06-22 1:00	14.71	38247.1	26.66	0.67	0.34	8.04
24-06-22 2:00	14.7	38032.1	25.84	0.85	0.34	7.81
24-06-22 3:00	14.7	384349.4	22.13	0.75	0.34	7.01
24-06-22 4:00	14.7	377352.1	24.78	0.43	0.34	7.69
24-06-22 5:00	14.71	380424.1	24.98	0.41	0.34	7.85
24-06-22 6:00	14.71	377262.1	26	0.57	0.34	8.01
24-06-22 7:00	14.71	378717.4	26.46	0.77	0.34	7.7
24-06-22 8:00	14.71	379912.1	26.93	0.86	0.34	7.51
24-06-22 9:00	14.7	379912.1	27.12	0.64	0.34	7.82
24-06-22 10:00	14.7	381106.7	27.74	0.44	0.34	8.06
24-06-22 11:00	14.72	387205.4	27.02	0.4	0.34	7.76
24-06-22 12:00	14.71	381960.1	25.25	0.56	0.34	7.1
24-06-22 13:00	14.71	380424.1	26.47	0.8	0.34	7.3
24-06-22 14:00	14.7	379570.7	26.01	0.87	0.34	7.46
24-06-22 15:00	14.7	380936.1	26.76	0.51	0.34	7.24
24-06-22 16:00	14.7	379741.4	26.79	0.19	0.34	7.69
24-06-22 17:00	14.69	380424.1	25.99	0.26	0.34	6.84
24-06-22 18:00	14.7	381446.1	25.68	0.56	0.34	7.41
24-06-22 19:00	14.7	380936.1	25.59	0.81	0.34	7.3
24-06-22 20:00	14.69	379741.4	25.66	0.81	0.34	6.96
24-06-22 21:00	14.69	381106.7	25.73	0.6	0.34	7.57
24-06-22 22:00	14.69	382813.4	24.97	0.46	0.34	6.65
24-06-22 23:00	14.69	379400.1	24.92	0.52	0.34	7.09
25-06-22 0:00	14.69	379570.7	24.44	0.72	0.34	6.99
25-06-22 1:00	14.71	363186.7	33.65	0.95	0.34	7.64
25-06-22 2:00	14.82	360386.7	23.06	0.88	0.34	7.23
25-06-22 3:00	14.91	353970.7	17.39	0.65	0.35	8.41



25-06-22 4:00	14.81	362674.7	20.05	0.5	0.34	6.05	
25-06-22 5:00	14.77	364893.4	26.86	0.55	0.34	5.68	
25-06-22 6:00	14.77	364210.7	27.06	0.79	0.34	5.97	
25-06-22 7:00	14.78	358066.7	27.86	1	0.34	5.65	
25-06-22 8:00	14.79	362806.4	29.5	0.84	0.34	5.45	
25-06-22 9:00	14.9	347656.1	31.17	0.57	0.35	8.37	
25-06-22 10:00	14.92	344072.1	39.37	0.45	0.35	8.77	
25-06-22 11:00	15	339976.1	38.45	0.67	0.35	10.46	
25-06-22 12:00	15.04	338781.4	31.98	0.94	0.36	11.66	
25-06-22 13:00	15.05	336221.4	28.99	1.14	0.36	12.37	
25-06-22 14:00	15.08	333149.4	27.74	0.94	0.36	13.51	
25-06-22 15:00	15.11	329394.7	23.94	0.73	0.36	14.59	
25-06-22 16:00	15.12	331272.1	23.55	0.65	0.36	14.94	
25-06-22 17:00	15.12	329565.4	24.15	0.83	0.36	14.89	
25-06-22 18:00	15.11	329736.1	24.55	1.07	0.36	14.14	
25-06-22 19:00	15.11	331272.1	24.22	1.22	0.36	14.03	
25-06-22 20:00	15.11	330465.7	23.84	0.87	0.36	14.26	
25-06-22 21:00	15.11	332125.4	23.82	0.54	0.36	14.33	
25-06-22 22:00	15.11	330418.7	23.94	0.49	0.36	14.68	
25-06-22 23:00	15.11	329565.4	24.2	0.74	0.36	14.79	
26-06-22 0:00	15.07	340317.4	20.15	1.02	0.36	13.97	
26-06-22 1:00	14.95	345949.4	20.81	1.08	0.35	9.92	
26-06-22 2:00	14.9	353800.1	25.13	0.75	0.35	7.69	
26-06-22 3:00	14.79	369130.7	17.96	0.5	0.34	5.98	
26-06-22 4:00	14.74	371890.7	18.32	0.53	0.34	6.49	
26-06-22 5:00	14.74	380082.7	20.77	0.72	0.34	6.88	
26-06-22 6:00	14.7	386056.1	16.8	0.9	0.34	6.07	
26-06-22 7:00	14.66	387692.1	15.48	0.88	0.33	5.59	
26-06-22 8:00	14.67	379570.7	23.15	0.63	0.33	6.31	
26-06-22 9:00	14.74	363869.4	31.9	0.5	0.34	7	
26-06-22 10:00	14.76	360797.4	28.18	0.56	0.34	6.37	
26-06-22 11:00	14.3	346290.7	32.44	0.76	0.34	7.22	
26-06-22 12:00	14.93	339976.1	44.9	1.01	0.35	9.75	
26-06-22 13:00	15	338781.4	36.43	1	0.35	11.22	
26-06-22 14:00	14.96	343048.1	35.08	0.71	0.35	10.71	
26-06-22 15:00	14.99	338952.1	38.14	0.57	0.35	11.02	
26-06-22 16:00	14.98	340317.4	33.44	0.67	0.35	10.88	
26-06-22 17:00	14.97	340488.1	35.11	0.9	0.35	10.62	
26-06-22 18:00	14.97	343048.1	33.39	1.08	0.35	10.45	
26-06-22 19:00	14.94	346120.1	24.29	0.97	0.35	9.85	
26-06-22 20:00	14.92	347314.7	27.5	0.69	0.35	9.05	
26-06-22 21:00	14.92	348509.4	27.79	0.52	0.35	8.62	
26-06-22 22:00	14.92	344072.1	27.69	0.64	0.35	8.56	
26-06-22 23:00	14.91	344825.4	27.67	0.83	0.35	8.72	
27-06-22 0:00	14.92	346290.7	31.58	1.05	0.35	8.6	
27-06-22 1:00	14.93	345096.1	38.38	0.88	0.35	8.74	
27-06-22 2:00	14.93	343389.4	37.63	0.67	0.35	8.86	
27-06-22 3:00	14.93	342877.4	40.24	0.59	0.35	9.1	
27-06-22 4:00	14.95	337586.7	39.68	0.77	0.35	9.62	

27-06-22 5:00	14.97	341512.1	35.32	1.01	0.35	10.2
27-06-22 6:00	14.94	341341.4	37.76	1.1	0.35	9.48
27-06-22 7:00	14.94	340488.1	39.2	0.86	0.35	9.57
27-06-22 8:00	14.95	337074.7	38.63	0.69	0.35	9.57
27-06-22 9:00	14.95	338952.1	37.59	0.68	0.35	9.68
27-06-22 10:00	14.94	338610.7	37.71	0.8	0.35	9.65
27-06-22 11:00	14.94	344584.1	27.44	1.02	0.35	9.64
27-06-22 12:00	14.91	341853.4	40.82	1.14	0.35	9.99
27-06-22 13:00	14.93	340658.7	38.7	0.87	0.35	9.39
27-06-22 14:00	14.92	343389.4	39.44	0.69	0.35	9.18
27-06-22 15:00	14.93	341341.4	39.74	0.67	0.35	9.17
27-06-22 16:00	14.94	341853.4	38.25	0.87	0.35	9.4
27-06-22 17:00	14.93	342877.4	37.61	1.09	0.35	9.42
27-06-22 18:00	14.92	342194.7	38.28	1.13	0.35	9.3
27-06-22 19:00	14.93	342536.1	38.84	0.86	0.35	9.38
27-06-22 20:00	14.93	341682.7	38.42	0.69	0.35	9.34
27-06-22 21:00	14.92	342024.1	38.75	0.72	0.35	9.43
27-06-22 22:00	14.91	340146.7	40.29	0.91	0.35	9.21
27-06-22 23:00	14.95	340146.7	38.1	1.17	0.35	9.8
28-06-22 0:00	14.96	339634.7	34.93	1.16	0.35	10.12
28-06-22 1:00	14.97	337757.4	33.64	0.92	0.35	10.79
28-06-22 2:00	14.95	342024.1	33.73	0.8	0.35	10.38
28-06-22 3:00	14.93	340146.7	37.11	0.82	0.35	9.85
28-06-22 4:00	14.93	342536.1	37.64	1.02	0.35	9.81
28-06-22 5:00	14.92	337416.1	38.02	1.21	0.35	9.61
28-06-22 6:00	15.01	335026.7	33.13	1.14	0.35	11.99
28-06-22 7:00	15.01	330930.7	28.1	0.95	0.35	12.13
28-06-22 8:00	15.02	332976.7	26.8	0.83	0.35	12.49
28-06-22 9:00	15.01	335709.4	27.07	0.92	0.35	12.6
28-06-22 10:00	15	334344.1	29.1	1.13	0.35	12.28
28-06-22 11:00	15.01	331954.7	29.02	1.28	0.35	12.28
28-06-22 12:00	15.01	331272.1	29.02	1.13	0.35	12.28
28-06-22 13:00	15.02	334173.4	27.73	0.89	0.35	12.64
28-06-22 14:00	15.01	339122.7	27.55	0.85	0.35	12.66
28-06-22 15:00	14.94	339293.4	32.87	0.94	0.35	10.8
28-06-22 16:00	14.95	339810.7	35.47	1.13	0.35	10.37
28-06-22 17:00	14.93	340658.7	35.45	1.31	0.35	10.03
28-06-22 18:00	14.96	338269.4	35.39	1.19	0.35	10.34
28-06-22 19:00	14.98	336392.1	32.32	0.95	0.35	10.96
28-06-22 20:00	14.96	341341.4	31.77	0.79	0.35	10.64
28-06-22 21:00	14.94	340146.7	36.17	0.9	0.35	10.07
28-06-22 22:00	14.95	339976.1	37.99	1.13	0.35	10.31
28-06-22 23:00	14.98	338610.7	34.15	1.08	0.35	10.76
29-06-22 0:00	14.98	34024.1	33.53	1.04	0.35	10.68
29-06-22 1:00	14.96	340658.7	34.66	0.85	0.35	10.09
29-06-22 2:00	14.95	342024.1	35.76	0.84	0.35	9.98
29-06-22 3:00	14.96	341341.4	36.19	1.01	0.35	10.02
29-06-22 4:00	14.96	340829.4	36.07	1.2	0.35	9.97
29-06-22 5:00	14.95	339634.7	35.81	1.27	0.35	9.85
29-06-22 6:00	14.94	339293.4	36.55	0.97	0.35	9.74
29-06-22 7:00	14.94	341512.1	37.1	0.82	0.35	9.77
29-06-22 8:00	14.95	337757.4	37.2	0.83	0.35	9.49
29-06-22 9:00	14.99	335538.7	34.15	1.11	0.35	10.36
29-06-22 10:00	14.99	335368.1	31.75	1.3	0.35	10.64
29-06-22 11:00	15.02	335368.1	30.1	1.32	0.35	10.93
29-06-22 12:00	14.98	338781.4	31.25	1.07	0.35	10.51
29-06-22 13:00	14.93	337245.4	36.74	0.88	0.35	9.59
29-06-22 14:00	14.94	341170.7	37.21	0.92	0.35	9.26
29-06-22 15:00	14.92	339976.1	38.9	1.09	0.35	9.4
29-06-22 16:00	14.93	341341.4	38.25	1.29	0.35	9.16
29-06-22 17:00	14.92	342194.7	37.63	1.21	0.35	9.24
29-06-22 18:00	14.89	341170.7	38.8	0.98	0.35	8.77
29-06-22 19:00	14.92	340317.4	40.01	0.85	0.35	9.07
29-06-22 20:00	14.91	340317.4	39.6	0.98	0.35	9
29-06-22 21:00	14.92	340829.4	39.31	1.18	0.35	9.03
29-06-22 22:00	14.93	341512.1	38.38	1.34	0.35	9.3
29-06-22 23:00	14.94	341341.4	35.84	1.3	0.35	9.58
30-06-22 0:00	14.93	338610.7	36.68	1.05	0.35	9.49
30-06-22 1:00	14.92	339293.4	36.82	0.95	0.35	9.33
30-06-22 2:00	14.93	339050.7	37.59	0.99	0.35	9.47
30-06-22 3:00	14.93	338269.4	37.19	1.18	0.35	9.44
30-06-22 4:00	14.92	338269.4	37.73	1.37	0.35	9.45
30-06-22 5:00	14.93	339122.7	38.15	1.37	0.35	9.22
30-06-22 6:00	14.92	341170.7	38.23	1.03	0.35	9.38
30-06-22 7:00	14.93	341000.1	37.63	0.83	0.35	9.45
30-06-22 8:00	14.92	340146.7	37.97	0.88	0.35	9.38
30-06-22 9:00	14.92	341341.4	38.43	1.09	0.35	9.29
30-06-22 10:00	14.91	341000.1	39.21	1.27	0.35	9.28
30-06-22 11:00	14.91	342194.7	38.69	1.35	0.35	9.14
30-06-22 12:00	14.89	340317.4	40.63	1.12	0.35	9.21
30-06-22 13:00	14.89	340488.1	41.93	0.93	0.35	9.18
30-06-22 14:00	14.89	339976.1	42.39	0.97	0.35	9.13
30-06-22 15:00	14.89	346532.1	31.4	1.14	0.35	8.75
30-06-22 16:00	14.77	357384.1	21.16	1.25	0.34	5.71
30-06-22 17:00	14.7	362845.4	24.76	1.33	0.34	6.18
30-06-22 18:00	14.73	359677.4	25.18	1.11	0.34	6.48
30-06-22 19:00	14.81	341170.7	35.92	0.95	0.34	6.87
30-06-22 20:00	14.97	334856.1	30.88	0.99	0.35	11.28
30-06-22 21:00	14.91	341512.1	32.91	1.14	0.35	10.11
30-06-22 22:00	14.88	339976.1	41.97	1.3	0.35	9.05
30-06-22 23:00	14.89	340658.7	42.14	1.46	0.35	9.04
Minimum	14.66	329,394.70	15.48	0.04	0.33	5.45
Maximum	15.12	387,592.10	44.90	1.64	0.36	14.89
Avg	14.84	368,524.89	28.07	0.78	0.34	7.0
SUM						
STD		STD = 60, 120	STD = 6, 20	STD = 28, 60	STD = 690	

# ภาคผนวก ข-8

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ผลการตรวจสอบความถูกต้องของ CEMs



## Analysis / Test Report

Client : Gulf NRV2 Co.,Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
P/O : สัญญาเลขที่ 4600001547  
Project Name : Monitoring EIA  
Project Location : GNRV2

**Lot ID: 2141866**

Date Received : Dec 03, 2021  
Date Reported : Dec 27, 2021  
Report Number : 1952165-1

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Sample Number : 2141866-1  
Sampled Date : Dec 01, 2021  
Sample Description : Emission from Stationary Source  
Location : HRSG 21  
Parameter : NOx

### Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1*	01 Dec 21	14:00	14:20	16.42	18.65	38.44	43.19	4.74
2	01 Dec 21	14:21	14:41	16.43	17.76	38.32	41.28	2.96
3	01 Dec 21	14:42	15:02	18.18	19.30	41.96	44.41	2.45
4	01 Dec 21	15:03	15:23	18.25	19.29	42.16	44.46	2.30
5	01 Dec 21	15:24	15:44	17.37	18.57	40.26	42.98	2.72
6	01 Dec 21	15:45	16:05	16.82	18.11	39.10	42.08	2.98
7*	01 Dec 21	16:06	16:26	14.50	16.20	34.01	37.95	3.94
8	01 Dec 21	16:27	16:47	14.61	16.28	34.24	38.12	3.88
9	01 Dec 21	16:48	17:08	16.18	17.72	37.76	41.30	3.53
10	01 Dec 21	17:09	17:29	14.87	16.44	34.89	38.48	3.60
11	01 Dec 21	17:30	17:50	14.56	16.22	34.26	38.10	3.85
12*	01 Dec 21	17:51	18:11	16.83	18.60	39.25	43.28	4.03
Average						38.11	41.25	3.14
Confidence Coefficient (CC)								0.46
Relative Accuracy (Compared with RM) (%)								8.72
Relative Accuracy Criteria <sup>1/</sup> (Compared with RM)								≤ 20%

Reference Method : US EPA Method 7E

Remark: \* Sample with \* is a rejected data

<sup>1/</sup> Relative Accuracy Criteria of NOx is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2)

RA Result is within Criteria

Technical Management

*Wichan Choonharat*

Wichan Choonharat

Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

*Sarayuth Jittrantont*

Sarayuth Jittrantont  
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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## Analysis / Test Report

Client : Gulf NRV2 Co.,Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
P/O : สัญญาเลขที่ 4600001547  
Project Name : Monitoring EIA  
Project Location : GNRV2

**Lot ID: 2141866**

Date Received : Dec 03, 2021  
Date Reported : Dec 27, 2021  
Report Number : 1952165-1

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Sample Number : 2141866-1  
Sampled Date : Dec 01, 2021  
Sample Description : Emission from Stationary Source  
Location : HRSG 21  
Parameter : SO2

### Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1*	01 Dec 21	14:00	14:20	0.03	0.15	0.06	0.35	0.29
2*	01 Dec 21	14:21	14:41	0.01	0.13	0.03	0.31	0.28
3	01 Dec 21	14:42	15:02	0.02	0.11	0.05	0.25	0.20
4	01 Dec 21	15:03	15:23	0.03	0.08	0.07	0.18	0.11
5*	01 Dec 21	15:24	15:44	0.03	0.12	0.08	0.28	0.20
6	01 Dec 21	15:45	16:05	0.03	0.05	0.08	0.13	0.05
7	01 Dec 21	16:06	16:26	0.05	0.05	0.11	0.12	0.00
8	01 Dec 21	16:27	16:47	0.07	0.05	0.15	0.13	-0.03
9	01 Dec 21	16:48	17:08	0.04	0.06	0.10	0.14	0.04
10	01 Dec 21	17:09	17:29	0.07	0.05	0.15	0.12	-0.04
11	01 Dec 21	17:30	17:50	0.05	0.05	0.12	0.12	0.00
12	01 Dec 21	17:51	18:11	0.07	0.12	0.16	0.27	0.12
Average						0.11	0.16	0.05
Confidence Coefficient (CC)								0.06
Relative Accuracy (Compared with Emission Standard : 6 ppm) (%)								1.87
Relative Accuracy Criteria <sup>1/</sup> (Compared with Emission Standard : 6 ppm)								≤ 10%

Reference Method : US EPA Method 6C

Remark: \* Sample with \* is a rejected data

<sup>1/</sup> Relative Accuracy Criteria of SO2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2) compared with Emission Standard 6 ppm at 7%O2  
RA Result is within Criteria

Technical Management

*Wichan Choonharat*

Wichan Choonharat

Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

*Sarayuth Jitranont*

Sarayuth Jitranont  
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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## Analysis / Test Report

Client : Gulf NRV2 Co.,Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
P/O : สัญญาเลขที่ 4600001547  
Project Name : Monitoring EIA  
Project Location : GNRV2

Lot ID: 2141866

Date Received : Dec 03, 2021  
Date Reported : Dec 27, 2021  
Report Number : 1952165-1

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Sample Number : 2141866-1  
Sampled Date : Dec 01, 2021  
Sample Description : Emission from Stationary Source  
Location : HRSG 21  
Parameter : O2

### Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1*	01 Dec 21	14:00	14:20	14.96	14.90	-0.07
2*	01 Dec 21	14:21	14:41	14.94	14.92	-0.02
3*	01 Dec 21	14:42	15:02	14.88	14.86	-0.02
4	01 Dec 21	15:03	15:23	14.88	14.87	-0.01
5	01 Dec 21	15:24	15:44	14.90	14.89	-0.01
6	01 Dec 21	15:45	16:05	14.92	14.92	0.00
7	01 Dec 21	16:06	16:26	14.97	14.97	-0.01
8	01 Dec 21	16:27	16:47	14.97	14.96	-0.01
9	01 Dec 21	16:48	17:08	14.94	14.94	-0.01
10	01 Dec 21	17:09	17:29	14.98	14.96	-0.01
11	01 Dec 21	17:30	17:50	14.99	14.98	-0.01
12	01 Dec 21	17:51	18:11	14.94	14.93	-0.01
Average				14.94	14.94	-0.01
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.01
Relative Accuracy Criteria (%)						≤ 1%

Reference Method : US EPA Method 3A

Remark: \* Sample with \* is a rejected data

<sup>1/</sup> Relative Accuracy Criteria of O2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 3 (PS-3)

RA Result is within Criteria

Sampled By : Navaphut Sriviriya

Technical Management

Wichan Choonharat

Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jitranont  
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141874**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 1952175-1

Page 1 of 10

**Sample Number** 2141874-2  
**Sampled Date** Dec 01, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 21  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	15.7	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	3.0	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	14.9	m/s
Type of Fuel	Natural Gas		Moisture	8.60	%	Flow Rate (Actual O2)	331047	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O <sub>2</sub>	at 15.7 % O <sub>2</sub>				
Air Testing										
Total Suspended Particulate	02:15 PM - 03:03 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	US EPA, Method 5	Bangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-4717

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager  
ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141874**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 1952175-1

Page 2 of 10

**Sample Number** 2141874-2  
**Sampled Date** Dec 01, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 21  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	15.7	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	3.0	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	14.9	m/s
Type of Fuel	Natural Gas		Moisture	8.60	%	Flow Rate (Actual O2)	331047	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Total Suspended Particulate *	02:15 PM - 03:03 PM	g/s	-	-	<0.05	1.7	-	Calculated	Bangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

**Sampled By :** Khanetson Khamphet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

**Technical Management**

*Saranya C.*  
Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-4717

**Approved by**

*Kanokkorn Anek*  
Kanokkorn Anek  
Senior Manager  
ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141874**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 1952175-1

Page 3 of 10

**Sample Number** 2141874-3  
**Sampled Date** Dec 01, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 21  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	14.9	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	115	°C	Gas Velocity	15.0	m/s
Type of Fuel	Natural Gas		Moisture	8.32	%	Flow Rate (Actual O2)	333461	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O <sub>2</sub>	at 14.9 % O <sub>2</sub>				
Air Testing										
Total Suspended Particulate	03:10 PM - 03:58 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	US EPA, Method 5	Bangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

*Saranya C.*  
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ทะเบียนเลขที่ ว-204-จ-4717

Approved by

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Kanokkorn Anek  
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## Analysis / Test Report

TESTING  
No.0009

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141874**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 1952175-1

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**Sample Number** 2141874-3  
**Sampled Date** Dec 01, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 21  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	14.9	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	115	°C	Gas Velocity	15.0	m/s
Type of Fuel	Natural Gas		Moisture	8.32	%	Flow Rate (Actual O2)	333461	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Total Suspended Particulate *	03:10 PM - 03:58 PM	g/s	-	-	<0.05	1.7	-	Calculated	Bangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

**Sampled By :** Khanetson Khamphet

### Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

**Technical Management**

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Saranya Chalermthamrong  
Scientist (4)  
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**Approved by**

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141874**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 1952175-1

Page 5 of 10

**Sample Number** 2141874-4  
**Sampled Date** Dec 01, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 21  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	16.3	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	2.6	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	14.9	m/s
Type of Fuel	Natural Gas		Moisture	7.95	%	Flow Rate (Actual O2)	333184	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O <sub>2</sub>	at 16.3 % O <sub>2</sub>				
Air Testing										
Total Suspended Particulate	04:05 PM - 04:53 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	US EPA, Method 5	Bangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

*Saranya C.*  
Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-4717

Approved by

*Kanokkorn Anek*  
Kanokkorn Anek  
Senior Manager  
ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141874**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 1952175-1

Page 6 of 10

**Sample Number** 2141874-4  
**Sampled Date** Dec 01, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 21  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	16.3	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	2.6	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	14.9	m/s
Type of Fuel	Natural Gas		Moisture	7.95	%	Flow Rate (Actual O2)	333184	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Total Suspended Particulate *	04:05 PM - 04:53 PM	g/s	-	-	<0.05	1.7	-	Calculated	Bangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

**Sampled By :** Khanetson Khamphet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

**Technical Management**

*Saranya C.*  
Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-4717

**Approved by**

*Kanokkorn Anek*  
Kanokkorn Anek  
Senior Manager  
ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141874**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 1952175-1

Page 7 of 10

**Sample Number** 2141874-5  
**Sampled Date** Dec 01, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 21  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	16.3	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	2.7	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	14.9	m/s
Type of Fuel	Natural Gas		Moisture	8.06	%	Flow Rate (Actual O2)	332772	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O <sub>2</sub>	at 16.3 % O <sub>2</sub>				
Air Testing										
Total Suspended Particulate	05:00 PM - 05:48 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	US EPA, Method 5	Bangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

*Saranya C.*  
Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-4717

Approved by

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Kanokkorn Anek  
Senior Manager  
ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0009

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789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141874**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 1952175-1

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**Sample Number** 2141874-5  
**Sampled Date** Dec 01, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 21  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	16.3	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	2.7	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	14.9	m/s
Type of Fuel	Natural Gas		Moisture	8.06	%	Flow Rate (Actual O2)	332772	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Total Suspended Particulate *	05:00 PM - 05:48 PM	g/s	-	-	<0.05	1.7	-	Calculated	Bangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

**Sampled By :** Khanetson Khamphet

### Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

**Technical Management**

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**Approved by**

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Senior Manager  
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TESTING  
No.0009

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141874**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 1952175-1

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**Sample Number** 2141874-6  
**Sampled Date** Dec 01, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 21  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	16.2	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	2.7	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	15.0	m/s
Type of Fuel	Natural Gas		Moisture	8.25	%	Flow Rate (Actual O2)	335741	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O <sub>2</sub>	at 16.2 % O <sub>2</sub>				
Air Testing										
Total Suspended Particulate	05:58 PM - 06:46 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	US EPA, Method 5	Bangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

*Saranya C.*  
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Scientist (4)  
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Approved by

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Senior Manager  
ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141874**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 1952175-1

Page 10 of 10

**Sample Number** 2141874-6  
**Sampled Date** Dec 01, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 21  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	16.2	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	2.7	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	15.0	m/s
Type of Fuel	Natural Gas		Moisture	8.25	%	Flow Rate (Actual O2)	335741	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Total Suspended Particulate *	05:58 PM - 06:46 PM	g/s	-	-	<0.05	1.7	-	Calculated	Bangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

**Sampled By :** Khanetson Khamphet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

**Technical Management**

*Saranya C.*  
Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-4717

**Approved by**

*Kanokkorn Anek*  
Kanokkorn Anek  
Senior Manager  
ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141874**  
Date Received: Dec 03, 2021  
Date Reported: Dec 28, 2021  
Report Number: 2172441-1

Page 1 of 2

**Sample Number** 2141874-1  
**Sampled Date** Dec 01, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 21  
**Parameter** Relative Response Audit

### Relative Response Audit Test Report

No Sample	Date	Time		CEMS Values		RM Values (mg/m <sup>3</sup> )	Allowable Range		Criterion
		Start	Stop	(%Opacity)	(mg/m <sup>3</sup> )		Minimum	Maximum	
1	1-Dec-21	14:15	15:03	4.07	5.93	0.22	-1.07	12.93	Pass
2	1-Dec-21	15:10	15:58	4.34	6.33	0.11	-0.67	13.33	Pass
3	1-Dec-21	16:05	16:53	3.98	5.80	0.10	-1.20	12.80	Pass
4	1-Dec-21	17:00	17:48	3.50	5.09	0.11	-1.91	12.09	Pass
5	1-Dec-21	17:58	18:46	3.25	4.74	0.20	-2.26	11.74	Pass

Remark: -Relative Response Audit is refer to 40 CFR Part 60 Appendix B : Performance Specification 11 : Specifications and Test Procedures for Particulate Matter Continuous Emission Monitoring Systems at Stationary Source (PS-11)  
-Correlation Equation of Linear curve  $Y = 1.457X$   
-Emission limit 28 mg/m<sup>3</sup> from Environmental Impact Assessment Report of Gulf NRV2 Co.,Ltd.

Technical Management

Wichan Choonharat  
Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jittrantont  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-4702

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## Analysis / Test Report

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141874**

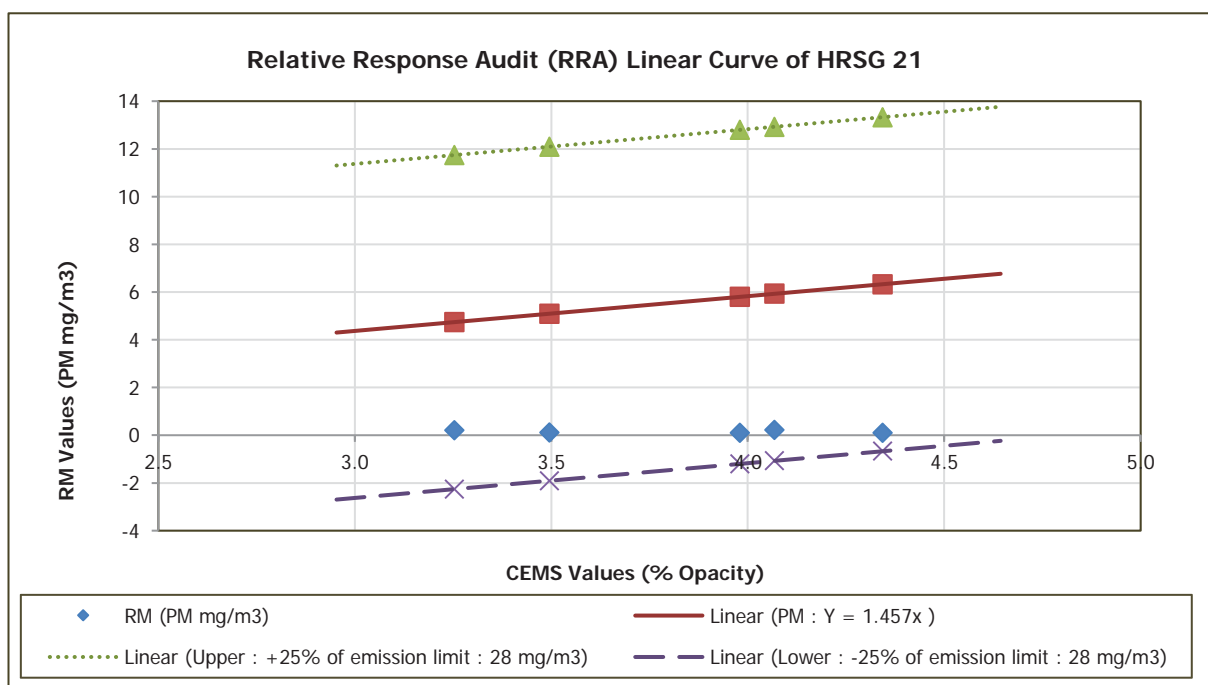
Date Received: Dec 03, 2021

Date Reported: Dec 28, 2021

Report Number: 2172441-1

Page 2 of 2

**Sample Number** 2141874-1  
**Sampled Date** Dec 01, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 21  
**Parameter** Relative Response Audit



**Sampled By :** Khanetson Khamphet

**Technical Management**

*Wichan Choonharat*

Wichan Choonharat  
Manager

ทะเบียนเลขที่ ว-204-ค-6113

**Approved by**

*Sarayuth Jittranont*

Sarayuth Jittranont  
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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## Analysis / Test Report

Client : Gulf NRV2 Co.,Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
P/O : สัญญาเลขที่ 4600001547  
Project Name : Monitoring EIA  
Project Location : GNRV2

**Lot ID: 2141872**

Date Received : Dec 03, 2021  
Date Reported : Dec 27, 2021  
Report Number : 1952170-1

Page 1 of 3

Sample Number : 2141872-1  
Sampled Date : Dec 02, 2021  
Sample Description : Emission from Stationary Source  
Location : HRSG 22  
Parameter : NOx

### Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	02 Dec 21	14:00	14:20	16.18	17.32	39.65	39.63	-0.02
2	02 Dec 21	14:21	14:41	16.62	15.57	40.62	35.56	-5.06
3*	02 Dec 21	14:42	15:02	17.95	15.44	43.53	35.02	-8.51
4*	02 Dec 21	15:03	15:23	18.12	16.75	44.01	38.03	-5.98
5*	02 Dec 21	15:24	15:44	17.96	16.47	43.64	37.48	-6.16
6	02 Dec 21	15:45	16:05	17.83	19.38	43.32	44.03	0.71
7	02 Dec 21	16:06	16:26	18.12	20.02	44.00	45.43	1.43
8	02 Dec 21	16:27	16:47	17.80	19.66	43.38	44.79	1.41
9	02 Dec 21	16:48	17:08	18.16	19.83	44.30	45.27	0.97
10	02 Dec 21	17:09	17:29	18.42	19.73	44.97	45.08	0.11
11	02 Dec 21	17:30	17:50	18.22	19.52	44.47	44.65	0.18
12	02 Dec 21	17:51	18:11	18.16	19.23	44.36	44.04	-0.32
Average						43.23	43.16	-0.06
Confidence Coefficient (CC)								1.52
Relative Accuracy (Compared with RM) (%)								3.67
Relative Accuracy Criteria <sup>1/</sup> (Compared with RM)								≤ 20%

Reference Method : US EPA Method 7E

Remark: \* Sample with \* is a rejected data

<sup>1/</sup> Relative Accuracy Criteria of NOx is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2)

RA Result is within Criteria

Technical Management

Wichan Choonharat

Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jitranont  
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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## Analysis / Test Report

Client : Gulf NRV2 Co.,Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
P/O : สัญญาเลขที่ 4600001547  
Project Name : Monitoring EIA  
Project Location : GNRV2

**Lot ID: 2141872**

Date Received : Dec 03, 2021  
Date Reported : Dec 27, 2021  
Report Number : 1952170-1

Page 2 of 3

Sample Number : 2141872-1  
Sampled Date : Dec 02, 2021  
Sample Description : Emission from Stationary Source  
Location : HRSG 22  
Parameter : SO2

### Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1*	02 Dec 21	14:00	14:20	0.00	0.05	0.00	0.13	0.13
2	02 Dec 21	14:21	14:41	0.00	0.05	0.00	0.11	0.11
3*	02 Dec 21	14:42	15:02	0.00	0.06	0.00	0.15	0.15
4	02 Dec 21	15:03	15:23	0.00	0.05	0.00	0.11	0.11
5	02 Dec 21	15:24	15:44	0.00	0.05	0.00	0.11	0.11
6	02 Dec 21	15:45	16:05	0.00	0.05	0.00	0.11	0.11
7	02 Dec 21	16:06	16:26	0.00	0.05	0.00	0.11	0.11
8	02 Dec 21	16:27	16:47	0.00	0.05	0.00	0.11	0.11
9	02 Dec 21	16:48	17:08	0.00	0.05	0.00	0.11	0.11
10	02 Dec 21	17:09	17:29	0.00	0.05	0.00	0.11	0.11
11	02 Dec 21	17:30	17:50	0.00	0.05	0.00	0.11	0.11
12*	02 Dec 21	17:51	18:11	0.00	0.05	0.00	0.11	0.11
Average						0.00	0.11	0.11
Confidence Coefficient (CC)								0.00
Relative Accuracy (Compared with Emission Standard : 6 ppm) (%)								1.91
Relative Accuracy Criteria <sup>1/</sup> (Compared with Emission Standard :6 ppm)								≤ 10%

Reference Method : US EPA Method 6C

Remark: \* Sample with \* is a rejected data

<sup>1/</sup> Relative Accuracy Criteria of SO2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2) compared with Emission Standard 6 ppm at 7%O2  
RA Result is within Criteria

Technical Management

*Wichan Choonharat*

Wichan Choonharat

Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

*Sarayuth Jittranont*

Sarayuth Jittranont  
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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## Analysis / Test Report

Client : Gulf NRV2 Co.,Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
P/O : สัญญาเลขที่ 4600001547  
Project Name : Monitoring EIA  
Project Location : GNRV2

**Lot ID: 2141872**

Date Received : Dec 03, 2021  
Date Reported : Dec 27, 2021  
Report Number : 1952170-1

Page 3 of 3

Sample Number : 2141872-1  
Sampled Date : Dec 02, 2021  
Sample Description : Emission from Stationary Source  
Location : HRS22  
Parameter : O2

### Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1*	02 Dec 21	14:00	14:20	15.23	14.83	-0.40
2*	02 Dec 21	14:21	14:41	15.21	14.81	-0.40
3	02 Dec 21	14:42	15:02	15.17	14.77	-0.40
4	02 Dec 21	15:03	15:23	15.18	14.78	-0.40
5	02 Dec 21	15:24	15:44	15.18	14.79	-0.39
6	02 Dec 21	15:45	16:05	15.18	14.78	-0.40
7*	02 Dec 21	16:06	16:26	15.17	14.78	-0.40
8	02 Dec 21	16:27	16:47	15.20	14.80	-0.40
9	02 Dec 21	16:48	17:08	15.20	14.81	-0.39
10	02 Dec 21	17:09	17:29	15.21	14.82	-0.39
11	02 Dec 21	17:30	17:50	15.21	14.82	-0.38
12	02 Dec 21	17:51	18:11	15.21	14.83	-0.38
Average				15.19	14.80	-0.39
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.39
Relative Accuracy Criteria (%)						≤ 1%

Reference Method : US EPA Method 3A

Remark: \* Sample with \* is a rejected data

<sup>1/</sup> Relative Accuracy Criteria of O2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 3 (PS-3)

RA Result is within Criteria

Sampled By : Navaphut Sriviriya

Technical Management

*Wichan Choonharat*

Wichan Choonharat

Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

*Sarayuth Jitranont*

Sarayuth Jitranont  
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141877**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 2172442-1

Page 1 of 10

**Sample Number** 2141877-2  
**Sampled Date** Dec 02, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 22  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	15.9	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	2.9	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	15.0	m/s
Type of Fuel	Natural Gas		Moisture	9.35	%	Flow Rate (Actual O2)	331582	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O <sub>2</sub>	at 15.9 % O <sub>2</sub>				
Air Testing										
Total Suspended Particulate	02:10 PM - 02:58 PM	mg/m3	-	0.5	1.4	0.5	28	60	<S EPA, Method 5	Uangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (U.E. 2553) on Emission Standard from New Power Plants.

Technical Management

*Saranya C.*  
Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-4717

Approved by

*Bankorn Anek*  
Bankorn Anek  
Senior Manager  
ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141877**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 2172442-1

Page 2 of 10

**Sample Number** 2141877-2  
**Sampled Date** Dec 02, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 22  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	15.9	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	2.9	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	15.0	m/s
Type of Fuel	Natural Gas		Moisture	9.35	%	Flow Rate (Actual O2)	331582	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Total Suspended Particulate z	02:10 PM - 02:58 PM	g/s	-	-	0.05	1.7	-	Calculated	Uangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (U.E. 2553) on Emission Standard from New Power Plants.

**Sampled By :** Bhanetson Bhamphet

### Remark :

- LOD : Limit of Detection
- Q Q : Lower than LO\* (Limit of \* quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked z is/are not included in scope of Accreditation ISO/IEC 17025.

**Technical Management**

*Saranya C.*  
Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-4717

**Approved by**

*Bankorn Anek*  
Bankorn Anek  
Senior Manager  
ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141877**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 2172442-1

Page 3 of 10

**Sample Number** 2141877-3  
**Sampled Date** Dec 02, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 22  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	14.8	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	111	°C	Gas Velocity	14.2	m/s
Type of Fuel	Natural Gas		Moisture	9.80	%	Flow Rate (Actual O2)	314139	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O <sub>2</sub>	at 14.8 % O <sub>2</sub>				
Air Testing										
Total Suspended Particulate	03:10 PM - 03:58 PM	mg/m3	-	0.5	" 0.5	" 0.5	28	60	<S EPA, Method 5	Uangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (U.E. 2553) on Emission Standard from New Power Plants.

Technical Management

*Saranya C.*  
Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-4717

Approved by

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141877**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 2172442-1

Page 4 of 10

**Sample Number** 2141877-3  
**Sampled Date** Dec 02, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 22  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	14.8	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	111	°C	Gas Velocity	14.2	m/s
Type of Fuel	Natural Gas		Moisture	9.80	%	Flow Rate (Actual O2)	314139	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Total Suspended Particulate z	03:10 PM - 03:58 PM	g/s	-	-	" 0.04	1.7	-	Calculated	Uangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (U.E. 2553) on Emission Standard from New Power Plants.

**Sampled By :** Bhanetson Bhamphet

### Remark :

- LOD : Limit of Detection
- Q Q : Lower than LO\* (Limit of \* quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked z is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

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Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-4717

Approved by

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Bankorn Anek  
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TESTING  
No.0009

**Client :** Gulf NRV2 Co., Ltd.  
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**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141877**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 2172442-1

Page 5 of 10

**Sample Number** 2141877-4  
**Sampled Date** Dec 02, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 22  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	16.2	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	2.7	%
Type of Process	Combustion		Stack Temperature	111	°C	Gas Velocity	14.2	m/s
Type of Fuel	Natural Gas		Moisture	9.91	%	Flow Rate (Actual O2)	313057	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O <sub>2</sub>	at 16.2 % O <sub>2</sub>				
Air Testing										
Total Suspended Particulate	04:05 PM - 04:53 PM	mg/m3	-	0.5	" 0.5	" 0.5	28	60	<S EPA, Method 5	Uangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (U.E. 2553) on Emission Standard from New Power Plants.

Technical Management

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Gulf NRV2 Co., Ltd.  
789 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima Thailand 30000  
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**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141877**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 2172442-1

Page 6 of 10

**Sample Number** 2141877-4  
**Sampled Date** Dec 02, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 22  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	16.2	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	2.7	%
Type of Process	Combustion		Stack Temperature	111	°C	Gas Velocity	14.2	m/s
Type of Fuel	Natural Gas		Moisture	9.91	%	Flow Rate (Actual O2)	313057	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Total Suspended Particulate z	04:05 PM - 04:53 PM	g/s	-	-	" 0.04	1.7	-	Calculated	Uangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (U.E. 2553) on Emission Standard from New Power Plants.

**Sampled By :** Bhanetson Bhamphet

### Remark :

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- Q Q : Lower than LO\* (Limit of \* quantitation) / LOR (Limit of Reporting)
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TESTING  
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**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141877**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 2172442-1

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**Sample Number** 2141877-5  
**Sampled Date** Dec 02, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 22  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	16.1	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	2.7	%
Type of Process	Combustion		Stack Temperature	110	°C	Gas Velocity	14.2	m/s
Type of Fuel	Natural Gas		Moisture	8.74	%	Flow Rate (Actual O2)	318067	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O <sub>2</sub>	at 16.1 % O <sub>2</sub>				
Air Testing										
Total Suspended Particulate	04:55 PM - 05:43 PM	mg/m3	-	0.5	" 0.5	" 0.5	28	60	<S EPA, Method 5	Uangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (U.E. 2553) on Emission Standard from New Power Plants.

Technical Management

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**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141877**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 2172442-1

Page 8 of 10

**Sample Number** 2141877-5  
**Sampled Date** Dec 02, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 22  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	16.1	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	2.7	%
Type of Process	Combustion		Stack Temperature	110	°C	Gas Velocity	14.2	m/s
Type of Fuel	Natural Gas		Moisture	8.74	%	Flow Rate (Actual O2)	318067	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Total Suspended Particulate z	04:55 PM - 05:43 PM	g/s	-	-	" 0.04	1.7	-	Calculated	Uangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (U.E. 2553) on Emission Standard from New Power Plants.

**Sampled By :** Bhanetson Bhamphet

### Remark :

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- Q Q : Lower than LO\* (Limit of \* quantitation) / LOR (Limit of Reporting)
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**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141877**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 2172442-1

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**Sample Number** 2141877-6  
**Sampled Date** Dec 02, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 22  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	16.1	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	2.7	%
Type of Process	Combustion		Stack Temperature	111	°C	Gas Velocity	14.1	m/s
Type of Fuel	Natural Gas		Moisture	9.80	%	Flow Rate (Actual O2)	310919	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O <sub>2</sub>	at 16.1 % O <sub>2</sub>				
Air Testing										
Total Suspended Particulate	05:50 PM - 06:38 PM	mg/m3	-	0.5	" 0.5	" 0.5	28	60	<S EPA, Method 5	Uangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (U.E. 2553) on Emission Standard from New Power Plants.

Technical Management

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**Project Location :** GNRV2

**Lot ID: 2141877**

Date Received : Dec 03, 2021  
Date Reported : Dec 15, 2021  
Report Number: 2172442-1

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**Sample Number** 2141877-6  
**Sampled Date** Dec 02, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 22  
**Date Analysis Commenced** Dec 04, 2021  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	16.1	%
Ambient Temperature	28.0	°C	Shape	Circle		Carbon Dioxide	2.7	%
Type of Process	Combustion		Stack Temperature	111	°C	Gas Velocity	14.1	m/s
Type of Fuel	Natural Gas		Moisture	9.80	%	Flow Rate (Actual O2)	310919	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Total Suspended Particulate z	05:50 PM - 06:38 PM	g/s	-	-	" 0.04	1.7	-	Calculated	Uangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV2 Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (U.E. 2553) on Emission Standard from New Power Plants.

**Sampled By :** Bhanetson Bhamphet

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**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141877**  
Date Received: Dec 03, 2021  
Date Reported: Dec 28, 2021  
Report Number: 2172443-1

Page 1 of 2

**Sample Number** 2141877-1  
**Sampled Date** Dec 02, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 22  
**Parameter** Relative Response Audit

### Relative Response Audit Test Report

No Sample	Date	Time		CEMS Values		RM Values (mg/m <sup>3</sup> )	Allowable Range		Criterion
		Start	Stop	(%Opacity)	(mg/m <sup>3</sup> )		Minimum	Maximum	
1	2-Dec-21	14:10	14:58	6.66	6.68	1.42	-0.32	13.68	Pass
2	2-Dec-21	15:10	15:58	6.41	6.42	0.22	-0.58	13.42	Pass
3	2-Dec-21	16:05	16:53	6.44	6.45	0.21	-0.55	13.45	Pass
4	2-Dec-21	16:55	17:43	6.48	6.50	0.11	-0.50	13.50	Pass
5	2-Dec-21	17:50	18:38	6.38	6.40	0.23	-0.60	13.40	Pass

Remark: -Relative Response Audit is refer to 40 CFR Part 60 Appendix B : Performance Specification 11 : Specifications and Test Procedures for Particulate Matter Continuous Emission Monitoring Systems at Stationary Source (PS-11)  
-Correlation Equation of Linear curve  $Y = 1.0024X$   
-Emission limit 28 mg/m<sup>3</sup> from Environmental Impact Assessment Report of Gulf NRV2 Co.,Ltd.

Technical Management

Wichan Choonharat  
Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jittranont  
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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**P/O :** สัญญาเลขที่ 4600001547  
**Project Name :** Monitoring EIA  
**Project Location :** GNRV2

**Lot ID: 2141877**

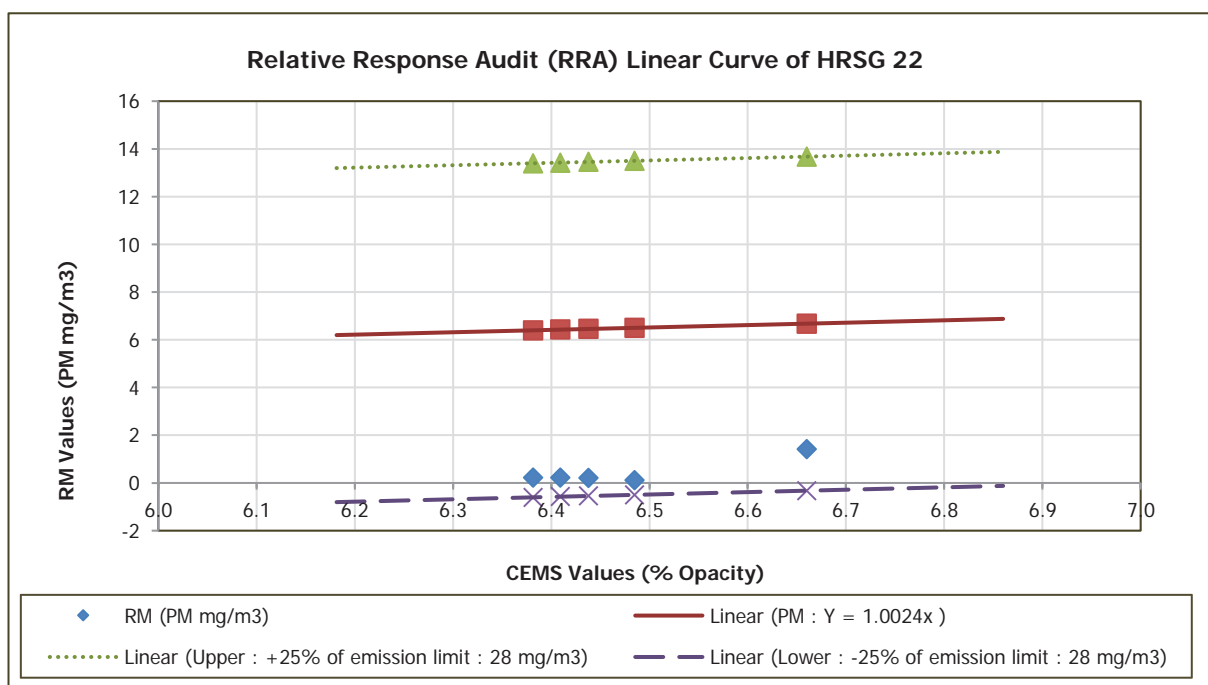
Date Received: Dec 03, 2021

Date Reported: Dec 28, 2021

Report Number: 2172443-1

Page 2 of 2

**Sample Number** 2141877-1  
**Sampled Date** Dec 02, 2021  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 22  
**Parameter** Relative Response Audit



**Sampled By :** Khanetson Khamphet

**Technical Management**

*Wichan Choonharat*

Wichan Choonharat  
Manager

ทะเบียนเลขที่ ว-204-ค-6113

**Approved by**

*Sarayuth Jittranont*

Sarayuth Jittranont  
Assistant General Manager

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## ภาคผนวก ข-9

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เอกสารการออกแบบระบบ Dry Low NOx Combustion

SPD	SYSTEM PACKAGE DESCRIPTION	007
DLE Gas Fuel System Description		

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## OVERVIEW

The purpose of the LM6000 DLE (Dry Low Emissions) fuel system is to reduce atmospheric emissions of the gas turbine engine. It does this by providing a combustion system design that is highly efficient at burning the air and fuel mixture. Traditional methods of reducing NOx emissions from combustion turbines (such as water and steam injection) are limited in some geographical areas, making DLE an attractive option for achieving increasingly stringent emissions requirements.

The DLE combustion system consists of three separate manifolds that supply fuel to the engine in successive stages. Each individual branch line to each manifold has its own metering valve. Operation of the DLE system is fully automatic as load is increased on the turbine. The controlling parameters for fuel delivery include combustion temperature and generator load.

The DLE system includes off-base support equipment such as shutoff valves, chromatograph (or Wobbe Index Meter), and package mounted equipment such as metering valves, manifolds and staging valves.

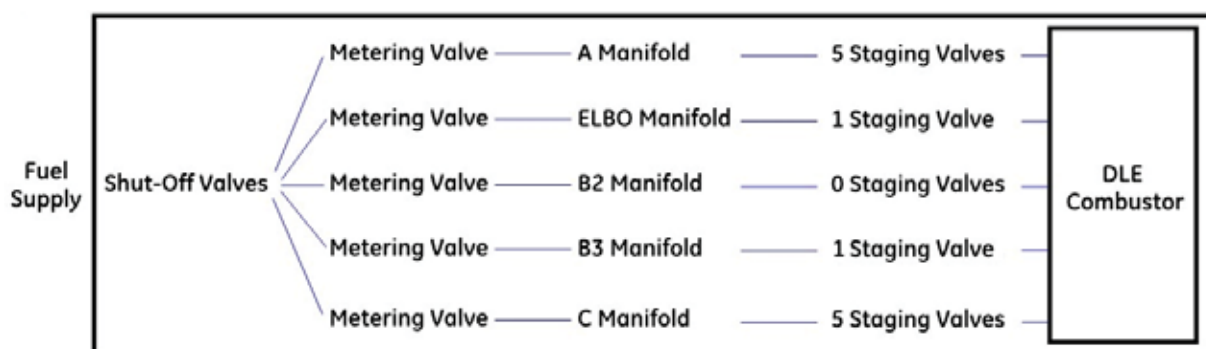


Figure 1 – DLE Fuel System Overview (PF1 Configuration shown)

\*for illustration purposes only. Always refer to your site-specific drawings.

## Emissions Basics

- *NO<sub>x</sub> Emissions*

Nitrogen Oxides (NO<sub>x</sub>) emissions include NO and NO<sub>2</sub>. From gas turbines NO<sub>x</sub> is predominately NO. NO<sub>x</sub> emissions are due to thermal NO<sub>x</sub> from combustion and fuel bound nitrogen (FBN).

- *CO Emissions*

Carbon Monoxide (CO) emissions are a measure of combustion completion. A higher value of CO indicates more incomplete combustion. CO is typically low due to the high combustion temperatures and the thermal efficiency of the unit.

## MAIN TURBINE PACKAGE EQUIPMENT

The following is a description of the major components in the DLE gas fuel combustion system. The components can be located on the *DLE Gas Fuel System F&ID, X-504245*.

### Strainer

Upon entering the main turbine package (fuel gas inlet connection # 10) the first component is a fuel gas strainer. The "Y" type strainer is designed to remove foreign particles from the gas fuel before it enters the downstream shut-off or metering valves.

### Incoming Supply Pressure Transmitter

Following the Y strainer is a branch that supplies the fuel gas inlet supply pressure transmitter.

### Pressure Transmitters

Another branch supplies fuel gas pressure to two pressure transmitters and a local gauge. One transmitter is set at 600 psig decreasing, and the other is set at 720 psig increasing.

### Vents

Two branch lines are provided to aid in de-pressurizing the main line when necessary. The lines supply a set of 3-way vent valves.

### Shut Off Valves

Gas flow is then routed through two shut off valves. The normally closed valves are operated by a 24 VDC pilot solenoid. Their purpose is to close during a shutdown (either normal or emergency) and prevent fuel flow to the turbine.

## Temperature Sensors

A branch line provides fuel gas to a set of dual element RTD temperature sensors.

## Branch Line Pressure Transmitters

As the incoming fuel gas branches into five individual lines (one to each manifold) there are individual pressure transmitters (and a set of redundant transmitters) that monitor the pressure in each branch.

## Fuel Metering Valves

There are five fuel metering valves, one for each branch to each of the five manifolds. Each valve is designed to control the amount of fuel gas delivered to its respective manifold.

## Manifolds

Gas fuel is metered to the on-engine fuel manifolds. The gas manifolds, one for each combustor ring, supply high pressure fuel to the pre-mixers via 90 flexible fuel hoses. The primary fuel supply to the pre-mixers uses 75 fuel hoses. The other 15 fuel hoses are used for the Enhanced Lean Blow-Out (ELBO) circuit integral with pre-mixers.

## Acoustic Baffles

The acoustic baffles (sometimes referred to as elk horns) are installed on the Compressor Rear Frame pre-mixer pads. They are designed to attenuate or interfere with known negative combustor frequencies. Because of their individual designed structures, they are not interchangeable and should not be replaced or rearranged if an acoustic problem is encountered.

### CAUTION

BECAUSE THE BAFFLE PIPES ARE HOLLOW THEY ARE EASILY DAMAGED. DO NOT USE THEM AS LADDERS DURING MAINTENANCE. THIS WARNING ALSO APPLIES TO STAGING VALVES.

## Staging Valves

One of the key controlling parameters in a DLE gas turbine is combustor flame temperature. Flame temperature control is required to limit NO<sub>x</sub> emissions and control Hot Section component lives. To maintain flame temperature control in a narrow temperature range during all gas turbine operating conditions, it is necessary to “stage” the combustor (turn sections of the combustor on and off). The 12 fuel Staging Valves control fuel distribution to the combustor rings as scheduled by the electronic control unit. Five staging valves control the A or Outer Ring, five staging valves control the C or Inner Ring, and two staging valves controls increase flow to the B3 or Pilot Ring. The ELBO has one staging valve. The B2 has no staging valve. The B ring dome has fuel available to it at all operating conditions. The combustor modes go from B mode at core idle to ABC at full power. During B mode, no staging valves are open and fuel is only burning in the B ring pre-mixer cups. During ABC mode, all staging valves are open and supplying fuel to each pre-mixer cup. The staging valves are mounted on brackets attached to the gas manifolds.

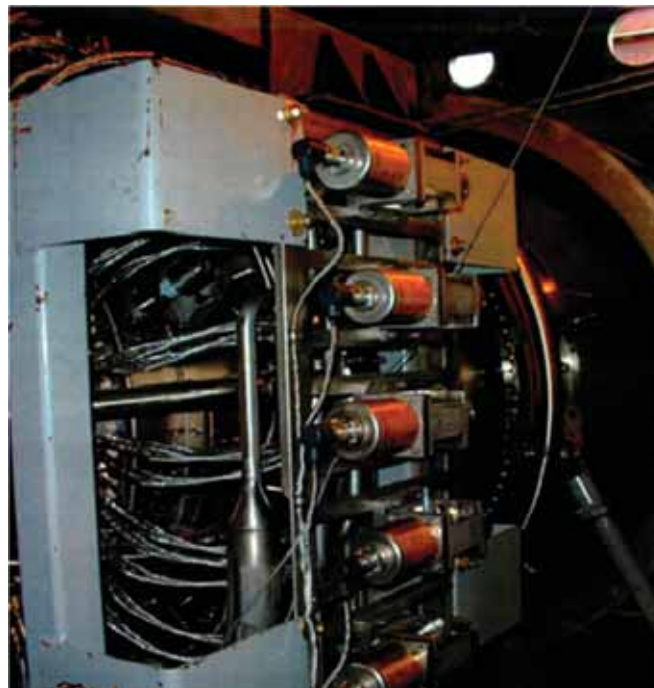
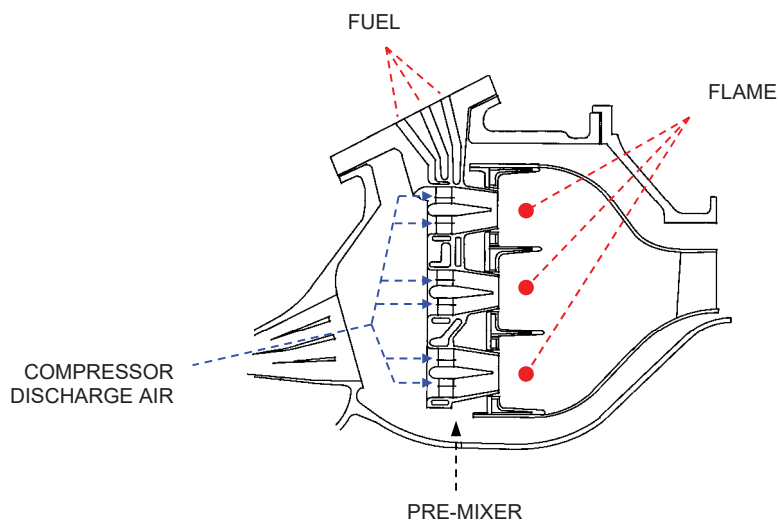
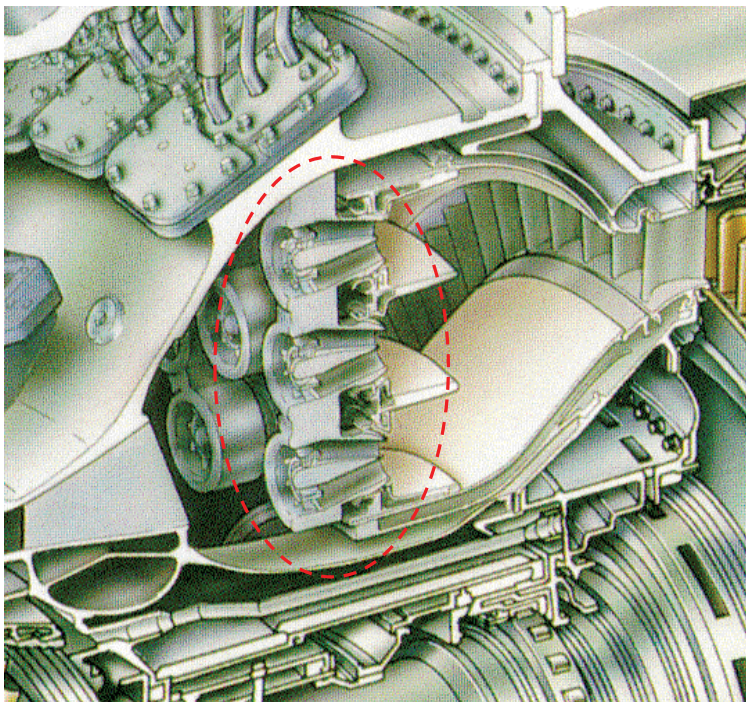


Figure 2 – DLE Staging Valves



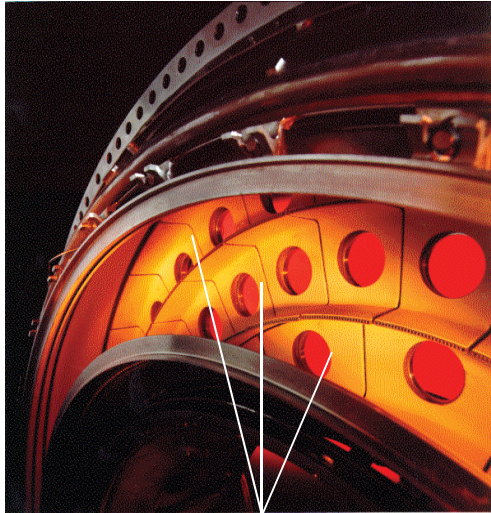
## Pre-Mixers

Prior to combustion, the air and fuel mixture is routed through a multi-nozzle assembly that provides efficient and uniform pre-mixing. The pre-mixer is a single piece, field replaceable assembly that provides a swirling effect to ensure maximum mixing of fuel and air. The design also has the added benefit of providing high velocity that helps prevent flashbacks. There are a total of 75 air/gas pre-mixers packaged in 30 removable modules. Half of the modules have two pre-mixers and the other half have three pre-mixers.

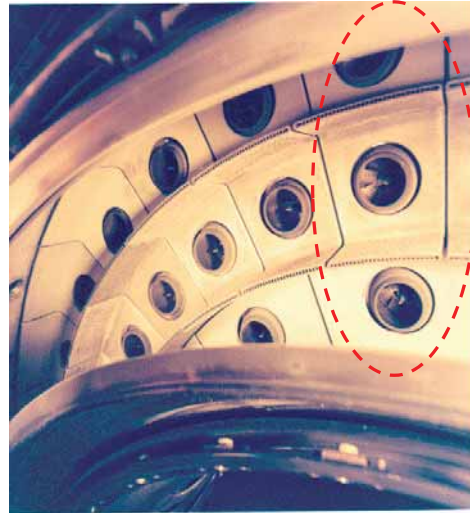


## Combustor

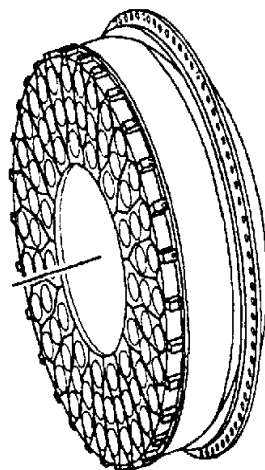
The tri-annular combustor is designed to deliver low emissions from start to full power. The combustor heat shields are made of single crystal Ni alloy and are impingement film cooled for low emissions at reduced power.



**TRI-ANNULAR COMBUSTOR HEAT SHIELDS**



**PRE-MIXER ASSEMBLIES  
INSTALLED IN COMBUSTOR**



## OFF-BASE SUPPORT EQUIPMENT

The off-base support equipment consists of an external block and bleed arrangement, and a gas analysis skid.

### External Block and Bleed Valves

The external block and bleed valve arrangement is designed to provide a means for isolating and de-pressurizing the incoming gas supply line. Operation of these valves is to be controlled by GE logic.

### Gas Analysis

The LM6000 DLE gas turbine requires accurate metering of the total mass flow rate of gas fuel. As part of the requirements to determine fuel metering valve demand position, the fuel system must include provisions for providing signals to the electronic control unit reflecting the following gas properties: specific gravity, ratio of specific heats, lower heating value, and compressibility. Rapid gas properties fluctuations will require more frequent updates. Improper properties can result in combustor flameout, acoustics, or reduced hot section life.

For proper DLE operation, the gas lower heating value (LHV) and specific gravity (SG) inputs to the fuel control must be within 1.0 percent of the actual values. If the properties of the particular site gas supply could change by more than this amount, gas analysis equipment must be supplied to ensure the fuel control is supplied with data of sufficient accuracy for proper operation.

The minimum temperature of the gas fuel supplied to the gas turbine shall be 50°F greater than the saturated vapor temperature of the gas supply pressure. The temperature of the gas fuel should not exceed 300°F at the gas manifold inlet. The use of unapproved fuels can cause severe damage to the engine.

When selecting and installing the gas analysis equipment, the total system response time should be considered. The total response time is defined as the time it takes for the gas sample to travel from the main supply line to the gas analysis equipment plus the time for the gas LHV and SG to be determined for input to the fuel control. To minimize the total system response time, it is necessary to minimize the mass of gas between the sampling point and the measurement device. The most important element in the design of the sampling pipe is location of the pressure regulator, which should be located as close as possible to the main gas supply line.

## Gas Analysis Skid

The gas analysis skid is a complete, stand-alone skid that includes a gas fuel sampling system, an analyzer, a chromatograph, helium bottles and an enclosure. Or alternately, a Wobbe Index Meter may be used for gas analysis.

A Gas Chromatograph (or Wobbe Index Meter) is used to analyze the gas sample and determine the gas composition. The analysis will check for the presence of both hydrocarbons and non-hydrocarbons. Once gas composition is determined, the hydrocarbon and moisture dew point can then be calculated. If any parameters are exceeded, an alarm will be produced to make the Operator aware of the discrepancy.

The gas fuel moisture analyzer (hygrometer) operates on two separate electrical supplies of 120 VAC and 24 VDC. Its purpose is to detect moisture in the gas fuel supply.

## References

**X-504245** – *F&ID, DLE Gas Fuel System*

**SPO-007** – *Fuel System Operation*

**SPM-007** – *Fuel System Maintenance*

**GEK 112743** – *LM6000-PF DLE Engine O&M Manual*

**GEK 115699** – *LM6000-PH DLE Engine O&M Manual*

# ภาคผนวก ข-10

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เอกสารการใช้ก๊าซธรรมชาติเป็นเชื้อเพลิงเพียงชนิดเดียว





**GUARANTEE On Peak**  
PROJECT: GULF NEW SPPS-CAT052900  
LOCATION: THAILAND

KW AT GEN TERMS 47790  
(KJ/KW-HR, LHV) 9136

  
Zhang, Meng  
Performance Engineer  
Date: 10/28/14

EMISSIONS ARE VALID FOR T2 WITHIN 41°F-140°F AND  
A GTG LOAD DOWN TO 66.5 % AS DEFINED IN STEADY  
STATE CONDITIONS FOR EMISSIONS GUARANTEE

NOX: 25 PPMVD AT 15% O<sub>2</sub>

CO: 690 PPMVD AT 7% O<sub>2</sub>

PM10: 30 mg/Nm<sup>3</sup> AT 7% O<sub>2</sub>  
dry condition 0 deg °C, 760 mmHg

EXHAUST ENERGY: 105606 BTU/S (REF 0°R)/111421 KJ/S (REF 0°K)  
EXHAUST TEMP: 947.5 °F (508.6°C)

NOT VALID WITHOUT SIGNATURE

VALID UNTIL 03/31/15

BASIS OF GUARANTEE:	BASE LOAD, GAS FUEL NOZZLE SYSTEM NO BLEED OR EXTRACTED POWER
ENGINE:	(1) GE LM6000PF+ DLE GAS TURBINE
FUEL:	20038Btu/lb / (46608 kJ/kg) LHV, GAS FUEL (#900-3838)
FUEL SPEC:	MID-TD-0000-1 LATEST REVISION
FUEL TEMP:	SITE FUEL TEMPERATURE OF 130.0°F(54.5°C)
GENERATOR:	BDAX 72-340ERH (EffCurve#: 32743; CapCurve# : 34511)
GENERATOR OUTPUT	11kV, 50 Hz
POWER FACTOR:	0.8
AMBIENT TEMP:	89.6°F / (32.0°C)
AMBIENT RH:	78.0%
INLET CONDITIONING:	NONE
ALTITUDE:	89.2ft / (27.2m)
INLET FILTER LOSS:	5.00 inH <sub>2</sub> O / (127.0 mmH <sub>2</sub> O)
EXHAUST LOSS:	10.00 inH <sub>2</sub> O / (254.0 mmH <sub>2</sub> O)
NOX CONTROL:	DLE
SPRINT WATER FLOW:	NOT TO EXCEED 17 GPM
ENGINE CONDITION:	NEW AND CLEAN ≤ 200 SITE FIRED HOURS
FIELD TEST METHODS	
PERFORMANCE:	GE POWER & WATER SGTGPTM
NOX:	EPA METHOD 20
CO:	EPA METHOD 10
PM10:	EPA METHOD 5 / 202

BASIS OF GUARANTEE IS NOT FOR DESIGN, REFER TO PROJECT DRAWINGS FOR DESIGN REQUIREMENTS.  
SI VALUES ARE FOR REFERENCE PURPOSES ONLY.


THIS GUARANTEE SUPERSEDES ANY  
PREVIOUS GUARANTEES PRESENTED





**GUARANTEE On Peak**  
PROJECT: GULF NEW SPPS-CAT052900  
LOCATION: THAILAND

KW AT GEN TERMS 47790  
(KJ/KW-HR, LHV) 9136

  
Zhang, Meng  
Performance Engineer  
Date: 10/28/14

**NEAR FIELD NOISE:**

85 DB(A) ARITHMETIC AVERAGE SOUND PRESSURE LEVEL (dB  
REF 20 MICROPASCALS, RMS) OF LOCATIONS AROUND THE  
PACKAGE (VERTICAL DISTANCE OF 5FT. (1.5M) ABOVE  
PACKAGE BASE AT A HORIZONTAL DISTANCE OF 3FT. (1M)  
FROM THE EXTERIOR PLANE OF EQUIPMENT AS TESTED IN A  
FREE-FIELD CONDITION OVER A HARD REFLECTING GROUND  
PLANE, OPERATING AT BASE LOAD)

EXHAUST ENERGY: 105606 BTU/S (REF 0°R)/111421 KJ/S (REF 0°K)  
EXHAUST TEMP: 947.5 °F (508.6°C)

NOT VALID WITHOUT SIGNATURE

VALID UNTIL 03/31/15

BASIS OF GUARANTEE:	BASE LOAD, GAS FUEL NOZZLE SYSTEM
	NO BLEED OR EXTRACTED POWER
ENGINE:	(1) GE LM6000PF+ DLE GAS TURBINE
FUEL:	20038Btu/lb / (46608 kJ/kg) LHV, GAS FUEL (#900-3838)
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GENERATOR OUTPUT	11kV, 50 Hz
POWER FACTOR:	0.8
AMBIENT TEMP:	89.6°F / (32.0°C)
AMBIENT RH:	78.0%
INLET CONDITIONING:	NONE
ALTITUDE:	89.2ft / (27.2m)
INLET FILTER LOSS:	5.00 inH <sub>2</sub> O / (127.0 mmH <sub>2</sub> O)
EXHAUST LOSS:	10.00 inH <sub>2</sub> O / (254.0 mmH <sub>2</sub> O)
NOX CONTROL:	DLE
SPRINT WATER FLOW:	NOT TO EXCEED 17 GPM
ENGINE CONDITION:	NEW AND CLEAN ≤ 200 SITE FIRED HOURS
FIELD TEST METHODS	
PERFORMANCE:	GE POWER & WATER SGTGPTM
NOX:	EPA METHOD 20
CO:	EPA METHOD 10
PM10:	EPA METHOD 5 / 202

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