Pennsylvania Department of Environmental Protection

Southwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0216631**
Wastewater Type	**Sewage**	APS ID	**1130712**
Facility Type	**SFTF**	Authorization ID	**1515599**

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**Regis Kraisinger**	Facility Name	**Kraisinger Reception Hall (King's Pointe Inc)**
Applicant Address	1994 Kraisinger Way Mount Pleasant, PA 15666-1735	Facility Address	114 Kings Pointe Road Mount Pleasant, PA 15666
Applicant Contact	Regis Kraisinger	Facility Contact	Regis Kraisinger
Applicant Phone	(724) 493-7564	Facility Phone	(724) 493-7564
Client ID	44708	Site ID	248218
SIC Code	5812	Municipality	East Huntingdon Township
SIC Description	Retail Trade - Eating Places	County	Westmoreland
Date Application Received	January 31, 2025	WQM Required	
Date Application Accepted		WQM App. No.	

Project Description: NPDES permit renewal application.

Summary of Review

The PA Department of Environmental Protection (PADEP/Department) received an NPDES permit renewal application from Regis Kraisinger (permittee) for permittee's Kraisinger Reception Hall DBA King's Pointe Inc. (facility) on January 31, 2025. The facility is located at 114 Kings Pointe Road, Mount Pleasant, PA 15666, in East Huntingdon Township, Westmoreland County. The treated effluent is discharge into an UNT to Jacobs Creek in state watershed 19-D. The current permit expired on January 31, 2025. Since the renewal application wasn't received at least 180 days prior to the expiration date, the terms and conditions of the current permit are administratively extended. Renewal NPDES permit application under Clean Water Program are not covered by PADEP's PDG per 021-2100-001. This fact sheet is developed in accordance with 40 CFR §124.56.

Changes to existing permit: TRC limits is more stringent.

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Approve	Deny	Signatures	Date
√		Reza H. Chowdhury, E.I.T. / Project Manager	May 19, 2025
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	05/20/2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.002
Latitude	40º 9' 19"	Longitude	-79º 33' 46"
Quad Name	Mount Pleasant	Quad Code	1709
Wastewater Description:	Sewage Effluent		
Receiving Waters	UNT to Jacobs Creek (WWF)	Stream Code	37936
NHD Com ID	134770219	RMI	3.15
Drainage Area	0.43 mi^2	Yield (cfs/mi^2)	0.043
Q_{7-10} Flow (cfs)	0.0185	Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	19-D	Chapter 93 Class.	WWF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	METALS, SILTATION		
Source(s) of Impairment	ACID MINE DRAINAGE, HIGHWAY/ROAD/BRIDGE RUNOFF (NON-CONSTRUCTION RELATED)		
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Westmoreland County Municipal Authority-McKeesport		
PWS Waters	Youghiogheny River	Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Changes Since Last Permit Issuance: None. The facility was converted from MISF1 to SFTF during last renewal.

Other Comments: None

Compliance History

Summary of DMRs:

PARAMETER		MAXIMUM DAILY VALUE		AVERAGE MONTHLY VALUE		
		Value	Units	Value	Units	No. Samples
pH (Minimum)		6.34	S.U.			
pH (Maximum)		8.30	S.U.			
Biochemical Oxygen Demand (Report one)	BOD5		mg/L		mg/L	
	CBOD5	9.32	mg/L	<3.24	mg/L	24
Fecal Coliform		3635	No./100 ml	<174	No./100 ml	24
Total Suspended Solids (TSS)		22.0	mg/L	<7.80	mg/L	24
Total Residual Chlorine (TRC)		1.34	mg/L	1.12	mg/L	24

Summary of Inspections:

August 22, 2024: CEI conducted. Violations noted including:

1. 25 Pa. Code 92a.41(a)(12): Failure to submit monitoring reports No annual maintenance reports (AMR) have been submitted for the past (4) years.

2. 25 Pa. Code 92a.41(a)(5): Failure to properly operate and maintain all facilities which are installed or used by the permittee to achieve compliance The system must be inspected once a year and the AMR signed by the inspector.

3. 92A.44: NPDES - Violation of effluent limits in Part A of permit 8/31/2022 Fecal 374 > 200 No./100ml, 5/31/2023 Fecal 282 > 200 No./100 ml, 3/31/2024 Fecal Geo Mean 3635 > 2000 No./100 ml

An NOV was issued on August 26, 2024 to address the violations.

December 16, 2021: CEI conducted. The following violation noted: The following (6) effluent violations occurred between 9/1/19 and 12/15/21: 9/30/2019 Fecal 12,100 > 1,000 CFU/100ml IMAX, 9/30/2019 Fecal 712 > 200 CFU/100ml Geo Mean, 7/31/2020 Fecal 209 > 200 CFU/100ml Geo Mean 8/31/2020 TSS 32 > 30 mg/L Monthly Average, 10/31/2021 Fecal 2,440 > 2,000 CFU/100ml Geo Mean, 10/31/2021 TSS 55 > 30 mg/L Monthly Average.

The facility appeared to be well maintained. The outfall, upstream, and downstream appeared to be in good visual condition.

Other Comments: None

Treatment Plant Summary

The facility was a MISF1 when issued as new permit. However, during last renewal, the facility was converted to an SFTF with design flow of 2,000 GPD. The facility serves a family owned catering kitchen with a handful of employees.

Existing limits

The following limits were applied to Outfall 001 for the period February 1, 2020 through January 31, 2025:

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
DO	XXX	XXX	4.0 Inst Min	XXX	XXX	XXX	1/month	Grab
TRC	XXX	XXX	XXX	1.4	XXX	3.3	1/month	Grab
CBOD5	XXX	XXX	XXX	25.0	XXX	50.0	1/month	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60.0	1/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	1/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/month	Grab
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	21.0	XXX	42.0	1/month	Grab
Ammonia May 1 - Oct 31	XXX	XXX	XXX	7.0	XXX	14.0	1/month	Grab

Development of effluent limitations

The following effluent limitations and monitoring requirements, at a minimum, will be established in all new and renewed SFTF permits based on the requirements of DEP's "Standard Operating Procedure (SOP) for Clean Water Program New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Application" (SOP No. BCW-PMT-003, Version 1.8, Final, November 9, 2012, Revised November 9, 2023).

Parameter	Avg	IMAX	Sample Type	Frequency: SFTFs	Frequency: SRSTPs
Flow (GPD)	Report	XXX	Estimate (SRSTPs) Measured (SFTFs)	1/month	1/year
CBOD5 (mg/L)	10	20	Grab	1/month	1/year
TSS (mg/L)	10	20	Grab	1/month	1/year
TRC (mg/L)	Report for SRSTPs; Use TRC Spreadsheet to determine WQBELs or 0.02 mg/L for SFTFs		Grab	1/month	1/year
Fecal Coliform (No./100 ml)	200 Geometric Mean (SFTFs) / Average (SRSTPs)		Grab	1/month	1/year

Flow monitoring:
Monthly flow monitoring will be continued, in accordance with 40 CFR § 122.44(i)(1)(ii).

Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)
The existing CBOD5 limits will be carried over which is consistent with 40 CFR § 133.102(a)(4)(i) and Pa Code 25 Ch. 92a.47(a)(1).

Total Suspended Solids (TSS)
Existing limits will be carried over which is consistent with 40 CFR § 133.102(a)(4)(ii) and Pa Code 25 Ch. 92a.47(a)(2).

Fecal Coliform:
Existing seasonal fecal limits will be carried over which are consistent with Pa Code 25 Ch. 92a.47(a)(4) and Pa Code 25 Ch. 92a.47(a)(5).

Ammonia Nitrogen:
During previous permit terms when the facility was considered as MISF1, Water Quality Modeling tool was utilized to determine the appropriate ammonia-nitrogen limits for the discharger. The model suggested a summer limit of 7.0 mg/l. This limit seems appropriate and will be carried over. Winter limits are calculated by multiplying summer limit with a factor of 3.

pH:
The TBEL for pH is above 6.0 and below 9.0 S.U. (40 CFR §133.102(c) and Pa Code 25 §§ 95.2(1), 92a.47) which are existing limits and will be carried over.

Dissolved Oxygen:
The current permit has a DO limit of 4.0 mg/l as instantaneous minimum, which is consistent with the Department's SOP (BCW-PMT-033, revised March 24, 2021). Current limit will be carried over.

Total Residual Chlorine (TRC):
The current permit has 1.4 mg/l as AMEC and 3.3 mg/l as IMAX. The TBEL for TRC is 0.5 mg/l as AMEC and 1.6 mg/l as IMAX. The SOP recommends using TRC_Spreadsheet or apply 0.02 mg/l for SFTFs. TRC_Spreadsheet was utilized and model output shows an average monthly limit of 0.5 mg/l and IMAX of 1.6 mg/l will be protective to the receiving stream. More stringent WQBELs will be applied from this renewal. A compliance schedule isn't needed since the facility already has dechlorination system installed. An adjustment to the dechlor tablets should be sufficient to meet the more stringent TRC limits.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
DO	XXX	XXX	4.0 Inst Min	XXX	XXX	XXX	1/month	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.6	1/month	Grab
CBOD5	XXX	XXX	XXX	25.0	XXX	50.0	1/month	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60.0	1/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	1/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/month	Grab
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	21.0	XXX	42.0	1/month	Grab
Ammonia May 1 - Oct 31	XXX	XXX	XXX	7.0	XXX	14.0	1/month	Grab

Compliance Sampling Location: At Outfall 001

Other Comments: None

TRC_CALC

TRC EVALUATION

Input appropriate values in A3:A9 and D3:D9

0.0185	= Q stream (cfs)	0.5	= CV Daily
0.002	= Q discharge (MGD)	0.5	= CV Hourly
30	= no. samples	1	= AFC_Partial Mix Factor
0.3	= Chlorine Demand of Stream	1	= CFC_Partial Mix Factor
0	= Chlorine Demand of Discharge	15	= AFC_Criteria Compliance Time (min)
0.5	= BAT/BPJ Value	720	= CFC_Criteria Compliance Time (min)
0	= % Factor of Safety (FOS)		=Decay Coefficient (K)

Source	Reference	AFC Calculations	Reference	CFC Calculations
TRC	1.3.2.iii	WLA afc = 1.926	1.3.2.iii	WLA cfc = 1.871
PENTOXSD TRG	5.1a	LTAMULT afc = 0.373	5.1c	LTAMULT cfc = 0.581
PENTOXSD TRG	5.1b	LTA_afc= 0.718	5.1d	LTA_cfc = 1.087

Source		Effluent Limit Calculations	
PENTOXSD TRG	5.1f	AML MULT = 1.231	
PENTOXSD TRG	5.1g	AVG MON LIMIT (mg/l) = 0.500	BAT/BPJ
		INST MAX LIMIT (mg/l) = 1.635	

WLA afc	(.019/e(-k*AFC_tc)) + [(AFC_Yc*Qs*.019/Qd*e(-k*AFC_tc))...
	...+ Xd + (AFC_Yc*Qs*Xs/Qd)]*(1-FOS/100)
LTAMULT afc	EXP((0.5*LN(cvh^2+1))-2.326*LN(cvh^2+1)^0.5)
LTA_afc	wla_afc*LTAMULT_afc
WLA_cfc	(.011/e(-k*CFC_tc) + [(CFC_Yc*Qs*.011/Qd*e(-k*CFC_tc))...
	...+ Xd + (CFC_Yc*Qs*Xs/Qd)]*(1-FOS/100)
LTAMULT_cfc	EXP((0.5*LN(cvd^2/no_samples+1))-2.326*LN(cvd^2/no_samples+1)^0.5)
LTA_cfc	wla_cfc*LTAMULT_cfc
AML MULT	EXP(2.326*LN((cvd^2/no_samples+1)^0.5)-0.5*LN(cvd^2/no_samples+1))
AVG MON LIMIT	MIN(BAT_BPJ,MIN(LTA_afc,LTA_cfc)*AML_MULT)
INST MAX LIMIT	1.5*((av_mon_limit/AML_MULT)/LTAMULT_afc)