



UIC PERMIT

**Issued to**

GAL Associates, LLC  
2199 Silas Deane Highway  
Rocky Hill, CT 06067

**Location Address:** Chuck's Margarita Grill  
1498 Stafford Road  
Mansfield, CT 06268

**Permit ID:** UI0000508

**Permit Expires:** August 19, 2028

**Watershed:** Willimantic River

**Basin Code:** 3100

**SECTION 1: GENERAL PROVISIONS**

- (A) This permit is issued in accordance with section 1421 of the Federal Safe Drinking Water Act 42 USC 300h et. seq., section 22a-430(e) of Chapter 446k, Connecticut General Statutes ("CGS"), and Regulations of Connecticut State Agencies ("RCSA") adopted thereunder, as amended.
- (B) GAL Associates, LLC, ("Permittee"), shall comply with all conditions of this permit including the following sections of the RCSA which have been adopted pursuant to section 22a-430 of the CGS and are hereby incorporated into this permit. Your attention is especially drawn to the notification requirements of subsection (i)(2), (i)(3), (j)(1), (j)(6), (j)(8), (j)(9)(C), (j)(11)(C), (D), (E) and (F), (k)(3) and (4), and (l)(2) of section 22a-430-3.

Section 22a-430-3 General Conditions

- (a) Definitions
- (b) General
- (c) Inspection and Entry
- (d) Effect of a Permit
- (e) Duty to Comply
- (f) Proper Operation and Maintenance
- (g) Sludge Disposal
- (h) Duty to Mitigate
- (i) Facility Modifications; Notification
- (j) Monitoring, Records and Reporting Requirements
- (k) Bypass
- (l) Conditions Applicable to POTWs
- (m) Effluent Limitation Violations (Upsets)
- (n) Enforcement
- (o) Resource Conservation
- (p) Spill Prevention and Control
- (q) Instrumentation, Alarms, Flow Recorders
- (r) Equalization

Section 22a-430-4 Procedures and Criteria

- (a) Duty to Apply
- (b) Duty to Reapply

- (c) Application Requirements
- (d) Preliminary Review
- (e) Tentative Determination
- (f) Draft Permits, Fact Sheets
- (g) Public Notice, Notice of Hearing
- (h) Public Comments
- (i) Final Determination
- (j) Public Hearings
- (k) Submission of Plans and Specifications. Approval.
- (l) Establishing Effluent Limitations and Conditions
- (m) Case by Case Determinations
- (n) Permit issuance or renewal
- (o) Permit Transfer
- (p) Permit revocation, denial or modification
- (q) Variances
- (r) Secondary Treatment Requirements
- (s) Treatment Requirements for Metals and Cyanide
- (t) Discharges to POTWs - Prohibitions

- (C) Violations of any of the terms, conditions, or limitations contained in this permit may subject the Permittee to enforcement action, including but not limited to, seeking penalties, injunctions and/or forfeitures pursuant to applicable sections of the CGS and RCSA.
- (D) Any false statement in any information submitted pursuant to this permit may be punishable as a criminal offense under section 22a-438 or 22a-131a of the CGS or in accordance with section 22a-6, under section 53a-157 of the CGS.
- (E) The Permittee shall comply with Section 22a-416-1 through Section 22a-416-10 of the RCSA concerning operator certification.
- (F) No provision of this permit and no action or inaction by the Commissioner of Energy & Environmental Protection ("Commissioner") shall be construed to constitute an assurance by the Commissioner that the actions taken by the Permittee pursuant to this permit will result in compliance or prevent or abate pollution.
- (G) The authorization to discharge under this permit may not be transferred without prior written approval of the Commissioner. To request such approval, the Permittee and proposed transferee shall register such proposed transfer with the Commissioner at least thirty (30) days prior to the transferee becoming legally responsible for creating or maintaining any discharge which is the subject of the permit transfer. Failure, by the transferee, to obtain the Commissioner's approval prior to commencing such discharge(s) may subject the transferee to enforcement action for discharging without a permit pursuant to applicable sections of the CGS and RCSA.
- (H) Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- (I) An annual fee shall be paid for each year this permit is in effect as set forth in section 22a-430-7 of the RCSA.
- (J) On or before the 10-year anniversary of the date of issuance of this permit, the Permittee shall submit for the Commissioner's review, a comprehensive engineering report prepared by a professional engineer licensed to practice in Connecticut that evaluates the performance and operation of the on-site sewage treatment and disposal system. Such report shall include a detailed summary of the discharge monitoring

reports. A physical inspection of the system shall be performed in the presence of Department of Energy and Environmental Protection ("DEEP" or "Department") staff. Prior to conducting the comprehensive review, the Permittee shall contact the Bureau of Materials Management and Compliance Assurance.

## SECTION 2: DEFINITIONS

(A) The definitions of the terms used in this permit shall be the same as the definitions contained in section 22a-423 of the CGS and sections 22a-430-3(a) and 22a-430-6 of the RCSA.

(B) In addition to the above, the following definitions shall apply to this permit:

"Annual", in the context of a sampling frequency, shall mean the sample must be taken in the month of permit issuance.

"Average Monthly Limit" means the highest allowable average of all grab samples taken during any calendar month.

"Maximum Concentration", in the context of this permit, is defined as the maximum concentration at any time as determined by a grab sample.

"Quarterly", in the context of a sampling frequency, shall mean sampling is required during each calendar quarter ending on the last day of March, June, September and December.

"3 times per year", in the context of a maintenance frequency, shall mean the maintenance must be performed at least 3 times during the period of May to November.

"Twice per month", when used as a sample frequency, shall mean two samples per calendar month collected no less than twelve (12) days apart.

"Twelve Month Rolling Average", in the context of this permit, is defined as the average monthly concentration of the current month's samples averaged with the average monthly concentration from each of the previous eleven months.

## SECTION 3: COMMISSIONER'S DECISION

(A) The Commissioner has made a final determination and found that the system installed for the treatment of the discharge will protect the waters of the state from pollution. The Commissioner's decision is based on Application No. 201504072 for permit issuance received on June 2, 2015 and the administrative record established in the processing of that application.

(B) The Commissioner hereby authorizes the Permittee to discharge a maximum flow of four thousand (4,000) gallons per day of domestic sewage in accordance with the provisions of this permit, the above referenced application, and all approvals issued by the Commissioner or the Commissioner's authorized agent for the discharges and/or activities authorized by, or associated with, this permit.

(C) The Commissioner reserves the right to make appropriate revisions to the permit in order to establish any appropriate effluent limitations, schedules of compliance, or other provisions that may be authorized under the Federal Safe Drinking Water Act or the Connecticut General Statutes or regulations adopted thereunder, as amended. The permit as modified or renewed under this paragraph may also contain any other requirements of the Federal Safe Drinking Water Act or Connecticut General Statutes or regulations adopted thereunder, which are then applicable.

#### SECTION 4: EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

- (A) The use of any sewage system additive as defined in section 22a-460(g) of the CGS is prohibited unless such additive complies with section 22a-461 of the CGS. The Commissioner in no way certifies the safety or effectiveness of any sewage system additive.
- (B) Oils, greases, industrial or commercial wastes, toxic chemicals, or other substances that will adversely affect the operation of the subsurface sewage treatment and disposal system, or, which may pollute ground or surface water, shall not be discharged to the subsurface sewage treatment and disposal system.
- (C) The Permittee shall assure that groundwater affected by the subject discharge shall conform to the Connecticut Water Quality Standards.
- (D) This permit becomes effective on the date of signature.
- (E) The Permittee shall operate and maintain all processes as installed in accordance with the approved plans and specifications. This includes but is not limited to all grease traps, septic tanks, equalization tanks, settling tank, pump chambers and Bioclere Wastewater Treatment System, or any other process equipment necessary for the optimal removal of pollutants. The Permittee shall neither bypass nor fail to operate any of the approved equipment or processes without the written approval of the Commissioner.
- (F) The discharge shall not exceed and shall otherwise conform to the specific terms and conditions listed in this permit. The discharge is restricted by, and shall be monitored in accordance with the Table(s) A through C, which are incorporated into this permit as Attachment 1.
- (G) The pH of the discharge shall not be less than 6.0 nor greater than 9.0 Standard Units at any time and shall be monitored in accordance with this permit. The Permittee shall report pH values, specifically maximum and minimum, for each day of sample collection
- (H) The Permittee shall maintain at the facility a record of the total flow for each day of discharge and shall report on the discharge monitoring report the total flow and number of hours of discharge for the day of sample collection and the average daily flow for each sampling month.
- (I) All samples shall be comprised of only those wastewaters described in this schedule, therefore, samples shall be taken prior to combination with wastewaters of any other type and after all approved treatment units, if applicable. All samples taken shall be representative of the discharge during standard operating conditions.
- (J) In cases where limits and sample type are specified but sampling is not required, the limits specified shall apply to all samples which may be collected and analyzed by the Department of Energy and Environmental Protection personnel, the Permittee, or other parties.
- (K) Unless a different classification of certified operator is required under a separate written approval issued by the Commissioner, the Permittee shall ensure that the wastewater treatment facility is operated by a person with a valid and effective certification in the State of Connecticut, at a minimum, as a facility Class 2 operator pursuant to C.G.S. 22a-416(d) and the regulations adopted thereunder. The Permittee shall ensure that the wastewater treatment facility is operated by such an operator with such qualifications throughout the entire life of the wastewater treatment facility.
- (L) The Permittee shall monitor, inspect and maintain the treatment facilities in accordance with Table D, which is incorporated into this permit as Attachment 2.
- (M) The Permittee shall perform ground water monitoring in accordance with Table E, which is incorporated

into this permit as Attachment 3.

- (N) The monitoring and sampling required within this permit is the minimum for reporting purposes only. More frequent monitoring and sampling of the treatment system may be required to operate the facility to obtain acceptable results for the parameters being monitored as required by the Operation and Maintenance Manual approved by the Commissioner.

**SECTION 5: SAMPLE COLLECTION AND HANDLING, ANALYTICAL TECHNIQUES, AND REPORTING REQUIREMENTS**

- (A) Chemical analyses to determine compliance with effluent limits and conditions established in this permit shall be performed using the methods approved by the Environmental Protection Agency pursuant to 40 CFR 136 unless an alternative method has been approved in writing in accordance with 40 CFR 136.4 or as provided in section 22a-430-3(j)(7) of the RCSA. Chemicals which do not have methods of analysis defined in 40 CFR 136 shall be analyzed in accordance with methods specified in this permit.
- (B) If any sample analysis indicates that an effluent limitation specified in Section 4 of this permit has been exceeded, a second sample of the effluent shall be collected and analyzed for the parameter(s) in question and the results shall be reported to the Commissioner within 30 days of the exceedance. Resampling for a permit violation is in addition to routine required sampling.
- (C) The Permittee shall enter the results of chemical analysis and treatment facilities monitoring and maintenance required by Section 4 on a Discharge Monitoring Report (DMR) provided by this office and shall submit such DMR to the Bureau of Materials Management and Compliance Assurance at the address below. Except for continuous monitoring, any monitoring required more frequently than monthly shall be reported on an attachment to the DMR, and any additional monitoring conducted in accordance with 40 CFR 136 or other methods approved by the Commissioner shall also be included on the DMR, or as an attachment, if necessary. The report shall also include a detailed explanation of each violation of the limitations specified, the corrective actions performed, and a schedule for completing any necessary remaining corrective action. The DMR shall be received at this address by the last day of the month following the month in which the samples are taken.

**Attn: DMR Processing  
Connecticut Department of Energy and Environmental Protection  
Bureau of Materials Management and Compliance Assurance  
Water Permitting and Enforcement Division  
79 Elm Street  
Hartford, CT 06106-5127**

- (D) If this permit requires monitoring of a discharge on a calendar basis (e.g. Monthly, quarterly, etc.) but a discharge has not occurred within the frequency of sampling specified in the permit, the Permittee must submit the DMR as scheduled, indicating "NO DISCHARGE". For those permittees whose required monitoring is discharge dependent (e.g. per batch), the minimum reporting frequency is monthly. Therefore, if there is no discharge during a calendar month for a batch discharge, a DMR must be submitted indicating such by the end of the following month.
- (E) **NetDMR Reporting Requirements:**  
Prior to one-hundred and eighty (180) days after the issuance of this permit, the Permittee may report all chemical analysis, monitoring and maintenance data, and other reports to the Department in hard copy form or electronically using NetDMR, a web-based tool that allows Permittees to electronically submit discharge monitoring reports (DMRs) and other required reports through a secure internet connection. Unless

otherwise approved in writing by the Commissioner, no later than one-hundred and eighty (180) days after the issuance of this permit the Permittee shall begin reporting electronically using NetDMR. Specific requirements regarding subscription to NetDMR and submittal of data and reports in hard copy form and for submittal using NetDMR are described below:

(a) Submittal of NetDMR Subscriber Agreement:

On or before thirty (30) days after the issuance of this permit, the Permittee and/or the person authorized to sign the Permittee's discharge monitoring reports ("Signatory Authority") as described in RCSA Section 22a-430-3(b)(2) shall contact the Department at [deep.netdmr@ct.gov](mailto:deep.netdmr@ct.gov) and initiate the NetDMR subscription process for electronic submission of Discharge Monitoring Report (DMR) information. Information on NetDMR is available on the Department's website at [www.ct.gov/deep/netdmr](http://www.ct.gov/deep/netdmr). On or before ninety (90) days after issuance of this permit the Permittee shall submit a signed copy of the *Connecticut DEEP NetDMR Subscriber Agreement* to the Department.

(b) Submittal of Reports Using NetDMR:

Unless otherwise approved by the Commissioner, on or before one-hundred and eighty (180) days after issuance of this permit, the Permittee and/or the Signatory Authority shall electronically submit DMRs and reports required under this permit to the Department using NetDMR in satisfaction of the DMR submission requirement in paragraph (C) of this Section of this permit. DMRs shall be submitted electronically to the Department no later than the last day of the month following the completed reporting period. All reports required under the permit, including any monitoring conducted more frequently than monthly or any additional monitoring conducted in accordance with 40 CFR 136, shall be submitted to the Department as an electronic attachment to the DMR in NetDMR. Once a Permittee begins submitting reports using NetDMR, it will no longer be required to submit hard copies of DMRs to the Department. The Permittee shall also electronically file any written report of non-compliance described in paragraph (B) of this Section and in the following Section of this Permit as an attachment in NetDMR. NetDMR is accessed from:  
<https://netdmr.epa.gov/netdmr/public/home.htm>.

(c) Submittal of NetDMR Opt-Out Requests:

If the Permittee is able to demonstrate a reasonable basis, such as technical or administrative infeasibility, that precludes the use of NetDMR for electronically submitting DMRs and reports, the Commissioner may approve the submission of DMRs and other required reports in hard copy form ("opt-out request"). Opt-out requests must be submitted in writing to the Department for written approval on or before fifteen (15) days prior to the date a Permittee would be required under this permit to begin filing DMRs and other reports using NetDMR. This demonstration shall be valid for twelve (12) months from the date of the Department's approval and shall thereupon expire. At such time, DMRs and reports shall be submitted electronically to the Department using NetDMR unless the Permittee submits a renewed opt-out request and such request is approved by the Department. All opt-out requests and requests for the NetDMR subscriber form should be sent to the following address or by email at [deep.netdmr@ct.gov](mailto:deep.netdmr@ct.gov):

**Attn: NetDMR Coordinator**  
**Connecticut Department of Energy and Environmental Protection**  
**Bureau of Materials Management and Compliance Assurance**  
**Water Permitting and Enforcement Division**  
**79 Elm Street**  
**Hartford, CT 06106-5127**

(d) Non-Electronic or Hard-Copy Submission:

The results of chemical analysis and treatment facilities monitoring that are not required to be submitted electronically under Section 5 shall be submitted in hard-copy form on a DMR. Such DMRs

and other reports not required to be submitted electronically shall be reported to the Bureau of Materials Management and Compliance Assurance at the following address.

**Attn: DMR Processing  
Connecticut Department of Energy & Environmental Protection  
Bureau of Materials Management and Compliance Assurance  
Water Permitting and Enforcement Division  
79 Elm Street  
Hartford, CT 06106-5127**

- (e) Copies of all hard-copy DMRs shall be submitted concurrently to the local Health Department.
- (f) Copies of all hard-copy DMRs shall be submitted concurrently to the local Water Pollution Control Authority (hereinafter "WPCA").

#### **SECTION 6: COMPLIANCE SCHEDULE**

- (A) On or before seven (7) days after issuance of this permit, the Permittee shall record on the land records of the Town of Mansfield a document indicating the location of the zone of influence created by the subject discharge, as reflected in the application and approved plans and specifications for this permit. On or before one (1) month after issuance of this permit, the Permittee shall submit written verification to the Commissioner that the approved document indicating the location of the zone of influence created by the subject discharge as reflected in the application for this permit has been recorded on the land records in the Town of Mansfield.
- (C) On or before seven (7) days after issuance of this permit, the Permittee shall record a copy thereof on the land records in the Town of Mansfield. On or before one (1) month after issuance of this permit, the Permittee shall submit written verification to the Commissioner that this permit has been recorded on the land records in the Town of Mansfield.
- (D) Every two (2) years, on or before the anniversary date of the issuance of this permit, the Permittee shall submit the results of a detailed permit compliance audit to the Commissioner. Such audits shall be performed within sixty (60) days prior to the anniversary date. The compliance audits shall be performed by a qualified professional engineer licensed to practice in Connecticut with the appropriate education, experience and training that is relevant to the work required.

Each audit shall evaluate compliance with all permit terms and conditions for the preceding two-year period. The evaluation shall review all pertinent records and documents as necessary, including Discharge Monitoring Reports (DMRs), laboratory reports, operations and maintenance plans, performance logs/records, equipment specifications, maintenance schedules, engineering drawings, and spare parts inventory.


Each audit report shall include a description of all records and documents used in the evaluation, a summary of compliance with permit terms and conditions, and detailed descriptions of all remedial actions taken or proposed to address each violation or deficiency discovered.

A copy of each audit shall be submitted concurrently to the local WPCA and to the local Health Department.

The Commissioner has determined that GAL Associates, LLC is in full compliance with Administrative Order No.

AO WR SS 14 001 issued to GAL Associates, LLC and Kukai, Inc. on August 1, 2014.

This permit is hereby issued on *August 20, 2018*

  
Robert E. Kaliszewski  
Deputy Commissioner  
Department of Energy and Environmental Protection

cc: The Eastern Highlands Health District  
Grant Weaver, P.E., The Water Planet Company, 111 Huntington Street, New London, CT 06320  
Brian Curtis, P.E., Nathan L. Jacobson & Associates, Inc., P.O. Box 337, Chester, CT 06412-0337  
DMR



ATTACHMENT 1

<b>TABLE A</b>				
Discharge Serial No. 301-2A			Monitoring Location: G	
Wastewater Description: Domestic Sewage Influent to Equalization Tank				
Monitoring Location Description: EQ Tank				
Average Daily Flow: 2,667 gallons per day			Maximum Daily Flow: 4,000 gallons per day	
<b>INSTANTANEOUS MONITORING</b>				
Parameter	Units	Average Monthly Limit	Sample Type	Sample Frequency
Biochemical Oxygen Demand	mg/l	---	Grab	Twice per month
Total Suspended Solids	mg/l	---	Grab	Twice per month
Total Kjeldahl Nitrogen	mg/l	---	Grab	Twice per month
Total Phosphorus	mg/l	---	Grab	Twice per month
pH	SU	---	Grab	Twice per month
Oil & Grease	mg/l	---	Grab	Twice per month
<b>ADDITIONAL NOTES:</b>				
1. "----" in the limits column on this monitoring table means a limit is not specified, but monitoring is required and a value must be reported on the DMR.				

<b>TABLE B</b>				
Discharge Serial No. 301-2B			Monitoring Location: J	
Wastewater Description: Effluent Intermediate Process				
Monitoring Location Description: Septic Tank (prior to Bioclere Unit #1)				
Average Daily Flow: 2,667 gallons per day			Maximum Daily Flow: 4,000 gallons per day	
<b>INSTANTANEOUS MONITORING</b>				
Parameter	Units	Average Monthly Limit	Sample Type	Sample Frequency
pH	SU	---	Grab	Twice per month
Temperature	° F	---	Grab	Twice per month
Alkalinity	mg/l	---	Grab	Twice per month
Total Suspended Solids	mg/l	---	Grab	Twice per month
<b>ADDITIONAL NOTES:</b>				
1. "----" in the limits column on this monitoring table means a limit is not specified, but monitoring is required and a value must be reported on the DMR.				

TABLE C					
Discharge Serial No. 301-2			Monitoring Location: 1		
Wastewater Description: Pretreated Domestic Sewage Effluent					
Monitoring Location Description: Final effluent					
FLOW/TIME BASED MONITORING					
Parameter	Units	Average Daily Flow Limit	Maximum Daily Flow Limit	Sample Type	Sample Frequency
Flow Rate (Average daily) <sup>1</sup>	GPD	2,667	4,000	Daily flow	Continuous
INSTANTANEOUS MONITORING					
Parameter	Units	Average Monthly Limit	Maximum Concentration	Sample Type	Sample Frequency
Biochemical Oxygen Demand	mg/l	20	30	Grab	Twice per month
Total Suspended Solids	mg/l	20	30	Grab	Twice per month
Total Nitrogen	mg/l	24 <sup>2</sup>	---	Grab	Twice per month
Ammonia	mg/l	---	---	Grab	Twice per month
Nitrate Nitrogen	mg/l	---	---	Grab	Twice per month
Nitrite Nitrogen	mg/l	---	---	Grab	Twice per month
Total Kjeldahl Nitrogen	mg/l	---	---	Grab	Twice per month
Total Phosphorus	mg/l	---	---	Grab	Twice per month
pH	SU	---	---	Grab	Twice per month
Oil & Grease	mg/l	---	---	Grab	Twice per month
<b>FOOTNOTES:</b>					
1. For this parameter, the Permittee shall maintain at the facility a record of the total flow for each day of discharge and shall report on the DMR the Average Daily Flow and the Maximum Daily Flow for each month.					
2. Limit is based on a twelve month rolling average.					
<b>ADDITIONAL NOTES:</b>					
1. “---” in the limits column on this monitoring table means a limit is not specified, but monitoring is required and a value must be reported on the DMR.					

ATTACHMENT 2

**TABLE D  
INSPECTION, MONITORING AND MAINTENANCE REQUIREMENTS**

Discharge Serial No.: 301-2	Monitoring Location: S
Wastewater Description: Domestic Sewage	
Average Daily Flow: 2,667 gallons per day	Maximum Daily Flow: 4,000 gallons per day
<b>Inspection, Monitoring, or Maintenance</b>	<b>Minimum Frequency</b>
Depth of sludge in septic tank[s]	During pump-out
Pump out septic tank[s]	Annually
Pump out grease trap[s]	Quarterly
Mechanical inspection of septic tank baffles	During pump-out
Mechanical inspection of grease trap baffles	During pump-out
Mechanical inspection of septic tank effluent filter	During pump-out
Clean septic tank effluent filter	During pump-out
Mechanical inspection of pump station[s]	Monthly/Quarterly
Pump out pump chamber[s]	Annually
Pump out equalization tank	Annually
Test run of emergency generator	Monthly/Quarterly
Water meter readings of water usage	Weekly
Visual inspection of BioClere System	Monthly
Visual inspection of final settling tank	Monthly
Mechanical inspection of alarms	Monthly
Mechanical inspection of blowers	Monthly
Visual inspection of surface condition of leaching field(s)	Quarterly
Depth of ponding in leaching field(s)	Quarterly
Mow grass over leaching field(s)	3 times per year
<b>ADDITIONAL NOTES:</b>	
<ol style="list-style-type: none"> <li>1. All inspection, monitoring, and maintenance required in this table shall be reported annually by the end of each January as an attachment to the December DMR.</li> <li>2. The Eastern Highlands Health District Sanitarian shall be notified at least one week prior to pumping of septic tanks and grease traps. Verification of all pump outs shall be attached to the monitoring report and a copy of the report shall be sent to the Eastern Highlands Health District Director of Health.</li> </ol>	

ATTACHMENT 3

**TABLE E  
GROUNDWATER MONITORING**

<b>Discharge Serial No. 301-A</b>		<b>Monitoring Location: S; GW</b>	
<b>Groundwater Monitoring Location No.:</b> MW-7, MW-8 (System Area) MW-9 and MW-10 (Downgradient)		<b>Description:</b> System area monitoring well; and Downgradient monitoring well	
<b>Parameter</b>	<b>Units</b>	<b>Minimum Frequency of Sampling</b>	<b>Sample Type</b>
Fecal Coliform	col/100ml	Quarterly	Grab
Groundwater Depth (Standard depth below grade)	Ft	Quarterly	Instantaneous
Ammonia Nitrogen	mg/l	Quarterly	Grab
Nitrate Nitrogen	mg/l	Quarterly	Grab
Nitrite Nitrogen	mg/l	Quarterly	Grab
Total Kjeldahl Nitrogen	mg/l	Quarterly	Grab
Total Nitrogen	mg/l	Quarterly	Grab
pH	S.U.	Quarterly	Instantaneous
Total Dissolved Phosphorous	mg/l	Quarterly	Grab



# DATA TRACKING AND TECHNICAL FACT SHEET

**APPLICATION No.:** 201504072

**PERMIT No.:** UI0000508

## DISCHARGER NAME AND ADDRESS

**APPLICANT/PERMITTEE:** GAL Associates, LLC

**MAILING ADDRESS:** 2199 Silas Deane Highway, Rocky Hill, CT 06067

**CONTACT PERSON:** Michel Gallagher (860) 529-7407

**LOCATION ADDRESS:** Chuck's Margarita Grill, 1498 Stafford Road, Mansfield, CT06268

## PERMIT TYPE

New (X)

Reissuance ( )

Modification (X)

Subsection-e ( )

## PERMIT DURATION

5 YEAR ( )

10 YEAR (X)

30 YEAR ( )

## OWNERSHIP CODE

Private (X)

Federal ( )

State ( )

Municipal (town only) ( )

Other public ( )

## DISCHARGE CATEGORIZATION

Point ( )

Non-point (X)

GIS # \_\_\_\_\_

NPDES ( )

Pretreat (X)

Ground Water (UIC) (X)

Ground Water (Other) ( )

Major ( )

Significant Minor ( )

Minor (X)

## UIC PERMIT INFORMATION

Total Wells 1

Well Type 5W12

## DEEP STAFF ENGINEER/ANALYST

Lauren Jones

## NATURE OF BUSINESS GENERATING DISCHARGE

Chuck's Margarita Grill is a full service restaurant.

## PROCESS AND TREATMENT DESCRIPTION (by DSN) AT(X) RECYCLE ( )

Chuck's Margarita Grill is currently served by an existing alternative sewage treatment system consisting of: grease trap(s), septic tank(s), equalization tank, settling tank, pump chambers, and a Bioclere Wastewater Treatment System. The Bioclere System utilizes a fixed film biological treatment process; treated effluent from the Bioclere System discharges to a lateral sand filter bed and then to leaching trenches.

Chuck's Margarita Grill proposes a maximum daily discharge of 4,000 gallons per day to an existing alternative sewage treatment system.

## COMPLIANCE SCHEDULE YES (X) NO ( )

Pollution Prevention ( )

Treatment Requirement ( )

Water Conservation ( )

Permit Steps ( )

Water Quality Requirement ( )

Remediation ( )

Audit Language (X)

Other (X)

# DATA TRACKING AND TECHNICAL FACT SHEET

## RESOURCES USED TO DRAFT PERMIT

- Federal Effluent Limitation Guideline 40CFR  
name of category
- Performance Standards
- Federal Development Document  
name of category
- Treatability Manual
- Department File Information
- Connecticut Water Quality Standards
- Anti-degradation Policy
- Coastal Management Consistency Review Form
- Other – Explain

## BASIS FOR LIMITATIONS, STANDARDS OR CONDITIONS

- Best Judgement (See Other Comments)
- Case by Case Determination (See Other Comments)

## OTHER COMMENTS

GAL Associates, LLC & Kukai, Inc. (property owner and restaurant owner, respectively) were issued Administrative Order No. AOWRSS14001 on August 1, 2014.

The Order was a result of Notice of Violation (No. NOV WR SS14001) issued on March 6, 2014 for an unpermitted discharge of partially treated domestic sewage to the waters of the state. The Order required:

- Retention of a consultant;
  - Letter received 8/11/2014
- Submission of a temporary repair plan to prevent unpermitted surface breakouts of partially treated domestic sewage from the leaching system;
  - Temporary Plan approved on 6/19/2014
- Submission of a report summarizing all available monitoring and maintenance data pertaining to the existing system from the previous 3 years;
  - Submitted 8/20/2014
- Investigate the existing system and evaluate the adequacy and effectiveness of such system to protect human health and the environment and to meet present and future wastewater treatment and disposal needs (“Remedial Plan”);
  - Remedial Plan approved on 1/6/2015
- Performance of the approved Remedial Plan; and
  - As-built drawings submitted 2/19/2015 demonstrating that the approved remedial actions were fully performed
- Submission of a permit application under Section 22a-430 of the CGS.
  - Application No. 201504072 received 6/2/2015

Two additional groundwater monitoring wells (MW-9 and MW-10) were installed in 2016 and are located further downgradient of the leaching field prior to the property boundary. The existing monitoring wells (MW-7 and MW-8) are in the discharge plume and do not reflect full renovation of the wastewater. For the year 2017, groundwater monitoring wells MW-7 and MW-8 averaged 12.6 mg/l total nitrogen within the

## DATA TRACKING AND TECHNICAL FACT SHEET

plume of partial renovation and monitoring wells MW-9 and MW-10 averaged 3.9 mg/l total nitrogen, demonstrating that the system is now providing full renovation.

All of the requirements of the Order have been complied with, therefore, it is recommended that the Order be closed and the wastewater discharge permit be issued.

Table C of the draft permit contains an effluent limit of 24 mg/l of total nitrogen discharging from the alternative treatment system to the subsurface disposal system. The soils in the subsurface disposal system have the capacity to further renovate the effluent to the drinking water standard of 10 mg/l. The Applicant has been monitoring the operation of the system for the calendar year 2017 and has documented proper operation. The average total nitrogen concentration of the effluent was 24.6 mg/l, MW-9 was 4.8 mg/l and for MW-10 2.9 mg/l. Please see memo dated March 19, 2018 from Brian Curtis, P.E.

On July 12, 2018, written comments were submitted by the Applicant during the NTD public comment period, which are enumerated below in normal text and are immediately preceded by the DEEP staff responses in italicized text.

1. Change the frequency of the Septic Tank (prior to Bioclere Unit #1) testing from weekly to twice per month. Rationale: Influent and effluent samples are to be collected on a twice per month frequency. The proposed change provides for consistent sampling.

*Comment accepted. Table B of the permit has been revised to reflect twice per month sampling of the partially treated wastewater during the intermediate process to make such sampling consistent with influent and final pretreated effluent sampling.*

2. Eliminate turbidity testing from Septic Tank (prior to Bioclere Unit #1) and final effluent. Rationale: Total Suspended Solids (TSS) testing provides meaningful, permit compliance information regarding the wastewater clarity. Turbidity testing is not necessary.

*Comment accepted. Table B of the permit has been revised to replace the requirement for turbidity testing with total suspended solids; and Table C of the permit has been revised to remove the requirement for turbidity testing, as it is not necessary for evaluating treatment system performance.*

In addition, the Applicant raised two points for clarification:

1. For enforcement purposes, DEEP will consider daily maximum flow and not daily flow.

*No, DEEP will consider both for compliance purposes.*

2. For calculations of the 12-month rolling average, we are first to compute the monthly averages for the current month and the preceding eleven months. These twelve monthly values are to be added together and divided by twelve to compute the rolling monthly average.

*Yes, that is correct.*

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### PERMIT FEES

Discharge Code 312000a

Representing DSN 301-2

Annual Fee \$1,110

### PROJECT HISTORY

Application received on June 2, 2015

Notice of Sufficiency issued on August 5, 2015

Notice of Tentative Decision published on June 18, 2018 in Willimantic Chronicle