#### **MAIN OFFICE:**

49 Herring Pond Road Buzzards Bay, MA 02532 TEL: (508) 833-0070 FAX: (508) 833-2282



**NANTUCKET OFFICE:** 

19 Old South Road Nantucket, MA 02554 TEL: (508) 325-0044 www.brackeneng.com

December 4, 2023

Bourne Board of Health Terri Guarino, Health Agent 24 Perry Avenue Bourne, MA 02532 RECEIVED

By Bourne Health Department at 8:53 am, Dec 05, 2023

RE: Request for Variance Extension 31 Tahanto Road (Map 38.3 Parcel 276)

Dear Ms. Guarino:

On behalf of our client, Ann and William Murray, Bracken Engineering, Inc. (BEI) is cordially requesting an extension to the approved Variance Decision dated October 18, 2021 and revised October 19, 2022. Per the request of the Board from the November public hearing enclosed you will find 6 copies of the architectural floor plan, recorded Board of Health Approval Bk 35549, Pg 201, Recorded Title 5 Bedroom Deed Restriction Bk 35281, Pg 205, IA DEED Notice Bk 35281, Pg 202, updated Nitrogen Loading Calculations based on the Town's new form and a copy of our proposed Site Plan dated 9/16/2022, *revised* 12/1/2023, prepared by Bracken Engineering, Inc.

### Approved Variances:

- 100 foot variance from the Local BOH 150 foot setback regulation for a setback of 50 fee from the proposed S.A.S. to the coastal bank.
- A 5 foot variance from full compliance for a setback of 5 feet from the proposed SAS to the property line, 310 CMR 15.405
- A 2 foot variance to the required 5 foot separation between maximum seasonal high ground water and the bottom of the S.A.S.

The applicants have been issued a Building Permit (B23-238) on August 25, 2023 and construction has begun. The Disposal Works permit had not yet been picked up before the expiration date. Should you require any further information prior to the December 13<sup>th</sup> hearing, please contact our office at 508-833-0070 or email the undersigned at zac@brackeneng.com.

Sincerely,

**BRACKEN ENGINEERING, INC.** 

Zachary L. Basinski, PE, CFM.

Senior Project Manager



Terri A. Guarino Health Agent

# TOWN OF BOURNE BOARD OF HEALTH

24 Perry Avenue Buzzards Bay, MA 02532

www.townofbourne.com/health Phone (508) 759-0600 ext. 1513 Fax (508) 759-0679



Bk 35549 Pg201 #62090 12-19-2022 @ 10:45a

October 19, 2022

Zachary L. Basinski, PE, CFM Bracken Engineering, Inc. 49 Herring Pond Rd Buzzards Bay, MA 02532

Dear Mr. Basinski,

On October 13, 2021, at the duly posted public meeting, the Bourne Board of Health discussed and approved the request for relief from the Bourne Board of Health 150 Foot Setback Regulation and Title 5 of the State Environmental Code: 310 CMR 15.000, for the upgrade of a sewage disposal system at 31 Tahanto Road, Pocasset, MA. The Board of Health approved the following variances and waivers, based on the plans of record dated September 17, 2021 by Engineering Works, Inc.:

- A 100 foot variance from the local Bourne Board of Health 150 Foot Setback Regulation for a setback of 50 feet from the proposed S.A.S to the coastal bank.
- A 5 foot variance from full compliance for a setback of 5 feet from the proposed S.A.S to the property line, 310 CMR 15.405.
- A 2 foot variance to the required 5 foot separation between maximum seasonal high groundwater and the bottom of the S.A.S.
- A reduction to the requirement of 12 inch separation between the inlet and outlet tees of the MicroFAST tank and pump chamber and high groundwater.

These variances are valid for two years from the date of original approval and were contingent upon an alternative septic disclosure notice, a two bedroom deed restriction, and a copy of this letter being recorded with the Registry of Deeds, and acknowledgement of the additional notes on the plan as modified at the meeting and signed off by Peter McEntee of Engineering Works, Inc..

A field change consisting of shifting the proposed dwelling requiring a slight modification to the house and septic layout was submitted to the Health Department on October 7, 2022 Bracken Engineering, Inc.. The proposed field revision provided no change to the approved variances. Revised architecturals received October 18, 2022 of the dwelling opened up a 4 foot cased opening to a 6 foot cased opening in the proposed office, maintaining the two bedroom deed restriction required by the Board.

With these changes, the proposal meets all Bourne Board of Health conditions and requirements from the original approval on October 13, 2021. The revised site plan dated September 16, 2022 by Bracken Engineering, Inc. for the above mentioned property is administratively approved. Should you have any questions, please do not hesitate to contact me at 508-759-0600 ext. 1513. Thank you.

Sincerely

Kaitlyn Shea Assistant Health Agent

# GRANT OF TITLE 5 BEDROOM COUNT DEED RESTRICTION

This Grant of Title 5 Bedroom Count Deed Restriction is made as of June 30, 2022 by Ann Murray and William G. Murray ("Grantors"), of Norwood, Norfolk County, Massachusetts, pursuant to M.G.L. c. 21A, §13 and 310 CMR 15.000 (collectively, "Title 5").

Bk 35281 Ps 205 #38724

D8-01-2022 & 10:33a

### WITNESSETH

WHEREAS, Ann Murray and William G. Murray, being the owner(s) in fee simple of 31 Tahanto Rd, that certain parcel of land located in Bourne, Barnstable County, Massachusetts, pursuant to a deed from John F. Stackpole, Trustee, R.H. Whiting, C.E. to Grantor, dated June 14, 1922, and recorded with Barnstable County Registry of Deeds in Book 34152, Page 52, said parcel(s) of land being more particularly bounded and described in Exhibit A, attached hereto and made a part hereof, and being shown on a plan entitled, "Plan of Tahanto, Bennett's Neck, Pocasset, John F. Stackpole, Trustee, R.H. Whiting, C.E.", dated June 14, 2022, recorded with Barnstable County Registry of Deeds as LOT No. 8, in Plan Book 9 page 127 ("Property"); and

WHEREAS, Grantor desires to restrict the number of bedrooms, as the term bedroom is defined at 310 CMR 15.002 ("Bedroom") and the Board of Health regulation dated effective April 24, 1992 regarding bedroom definition, through the granting of this Title 5 Bedroom Count Deed Restriction;

NOW, THEREFORE, Grantor does hereby GRANT to the Town of Bourne of Barnstable County, Massachusetts, a municipal corporation located in Barnstable County, having a mailing address of 24 Perry Avenue, Buzzards Bay, Massachusetts, and acting by and through its Board of Health ("Local Approving Authority"), for nominal and nonmonetary consideration, the sufficiency and receipt of which are hereby acknowledged, with QUITCLAIM COVENANTS, a TITLE 5 BEDROOM COUNT DEED RESTRICTION ("Restriction") in, on, upon, through, over and under the Property.

Said Restriction operates to restrict the Property as follows:

- 1. Restriction. Grantor hereby restricts the total number of Bedrooms in, on, upon, through, over and under the Property to 2 Bedrooms, such that at no time shall there exist more than 2 Bedrooms in, on, upon, through, over and under said Property.
- 2. Severability. Grantor hereby agrees that, in the event that a court or other tribunal determines that any provision of this instrument is invalid or unenforceable:
  - (i) That such provision shall be deemed automatically modified to conform to the requirements for validity and enforceability as determined by such court or tribunal; or
  - (ii) That any such provision, by its nature, cannot be so modified, shall be deemed deleted from this instrument as though it had never been included herein.

In either case, the remaining provisions of this instrument shall remain in full force and effect.

- **3. Enforcement**. Grantor expressly acknowledges that a violation of the terms of this Restriction could result in the following:
- (i) upon determination by a court of competent jurisdiction, in the issuance of criminal and civil penalties, and/or equitable remedies, including, but not limited to, injunctive relief, such injunctive relief could include the issuance of an order to modify or remove any improvements constructed upon the Property in violation of the terms of this Restriction; and

- (ii) in the initiation of an enforcement action and/or assessment of penalties by the Bourne Board of Health and/or the Massachusetts Department of Environmental Protection, a duly constituted agency with a principal office located at One Winter Street, Boston, MA 02108 (DEP), to enforce the terms of this Restriction pursuant to Title 5; M.G.L. c.111, §§ 2C, 17, 31, 122, 123, 125, 127A-O, inclusive, and 129; and M.G.L c. 83, §11.
- **4. Provisions to Run with the Land.** The rights, liabilities, agreements and obligations created under this Restriction shall run with the Property and any portion thereof for the term of this Restriction. Grantor hereby covenants for [himself/herself/itself] and [his/her/its] executors, administrators, heirs, successors and assigns, to stand seized and to hold title to the Property and any portion thereof subject to this Restriction.

The rights granted to the Bourne Board of Health, its successors and assigns, do not provide, however, that a violation of this Restriction shall result in a forfeiture or reversion of Grantor's title to the Property.

- 5. Concurrence Presumed. It is agreed that:
- (i) Grantor and all parties claiming by, through, or under Grantor agree to and shall be subject to the Provisions of this Restriction; and
- (ii) Grantor and all parties claiming by, through, or under Grantor, and their respective agents, contractors, sub-contractors and employees, agree that the Restriction herein established shall be adhered to and shall not be violated, and that their respective interests in the Property shall be subject to the provisions herein set forth.
- 6. Incorporation into Deeds, Mortgages, Leases, and Instruments of Transfer. Grantor hereby agrees to incorporate this Restriction, in full or by reference, into all deeds, easements, mortgages, leases, licenses, occupancy agreements or any other instrument of transfer by which an interest and/or a right to use the Property, or any portion thereof, is conveyed.
- 7. Recordation. Grantor shall record and/or register this Restriction with the appropriate Registry of Deeds and/or Land Registration Office within 30 days of receiving the approved Restriction from the Local Approving Authority. Grantor shall file with the Bourne Board of Health and the DEP a certified Registry copy of this Restriction as recorded and/or registered within 30 days of its date of recordation and/or registration.
- 8. Amendment and Release. This Restriction may be amended only upon the approval and acceptance of such amendment by the Local Approving Authority. Release of this Restriction shall be granted by the Local Approving Authority upon (i) Grantor's request of such release; and (ii) the Property being connected to a municipal sewer system and the septic system serving the Property being abandoned in accordance with 310 CMR 15.354. Any such amendment or release shall be recorded and/or registered with the appropriate Registry of Deeds and/or Land Registration Office and a certified Registry copy of said amendment or release shall be filed with the Bourne Board of Health and the DEP within 30 days of its date of recordation and/or registration.
- 9. Term. This Restriction shall run in perpetuity and is intended to conform to M.G.L. c.184, §26, as amended.
- 10. Rights Reserved. This Restriction is granted to the Bourne Board of Health. It is expressly agreed that acceptance of this Restriction by the Bourne Board of Health shall not operate to bar, diminish, or in any way affect any legal or equitable right of the Bourne Board of Health or of DEP to issue any future order with respect to the Property or in any way affect any other claim, action, suit, cause of action, or demand which

the Bourne Board of Health or DEP may have with respect thereto. Nor shall acceptance of the Restriction serve to impose any obligations, liabilities, or any other duties upon the Bourne Board of Health.

- 11. Effective Date. This Restriction shall become effective upon its recordation and/or registration with the appropriate Registry of Deeds and/or Land Registration Office.
- 12. No construction permits shall be issued for the Property until a certified Registry copy is submitted to the office of the Bourne Board of Health unless written approval is otherwise granted by the Board of Health.

WITNESS the execution hereof under seal this 35 day of Joly, 2022.

Long Monay

Commonwealth of Massachusetts

Lor folk ss July 35 2022

Then personally appeared the above-named [Grantor's Name] Ann M. Mulyand acknowledged the foregoing instrument to be [his/her] free act and deed before me.

Monica F. Brancato
Notary Public:

My commission expires: March 3, 2028

Monica F. Brancato
Notary Public:
My commission expires: March 3, 2028

Approved and Accepted By:

Terri Guarino, RS, CHO

Health Director Town of Bourne

## **Notice of Alternative Sewage Disposal System**

M.G.L. c. 21A, § 13 and 310 CMR 15.0287(10)

[This Notice to be recorded and/or filed for registration in the chain of title of the Property served by an Alternative Sewage Disposal System ("Alternative System").]

NAME(S) OF OWNER OF PROPERTY SERVED BY ALTERNATIVE SYSTEM: ANN MURRAY & WILLIAM G. MURRAY

ADDRESS OF PROPERTY SERVED BY ALTERNATIVE SYSTEM: 31 TAHANTO ROAD, POCASSET, MA

TITLE REFERENCE FOR PROPERTY SERVED BY ALTERNATIVE SYSTEM [check and

complete each that applies]:	
_X_ Deed recorded with the Barns	table County Registry of Deeds in Book 34152, Page 52
Certificate of Title No	issued by the Land Registration Office of the Barnstable County Registry Distric
Source of title other than by de	ed
[If Alternative System Owner(s) is	other than Property Owner(s), complete the following:]
Alternative System Owner Nar	ne:
Alternative System Owner Add	lress:

WHEREAS, Section 15.280 of Title 5 of the State Environmental Code ("Approval of Alternative Systems"), provides for the Massachusetts Department of Environmental Protection (the "Department") to approve or certify, as appropriate, all proposals to construct, upgrade or replace on-site sewage disposal systems using alternative systems;

WHEREAS, owners and/or operators of approved or certified alternative systems are subject to general conditions, as specified in Section 15.287 of Title 5 of the State Environmental Code, 310 CMR 15.287, and may be subject to special conditions, as specified in the Department's approvals or certifications; such general and special conditions potentially including, without limitation, requirements relating to the use of trained operators, periodic inspections, maintenance, sampling, reporting and/or recordkeeping;

WHEREAS, Section 15.287(10) of Title 5 of the State Environmental Code, 310 CMR 15.287(10), requires that "prior to obtaining a Certificate of Compliance for installation of a new or upgraded system, the system owner shall record in the chain of title for the property served by the alternative system in the Registry of Deeds and/or Land Registration Office, as applicable, a Notice disclosing both the existence of the alternative on-site system and the Department's approval of the system. The system owner shall also provide evidence of such recording to the local Approving Authority [;]" and

WHEREAS, the Property is served by an alternative sewage disposal system.

NOW, THEREFORE, Notice of an alternative sewage disposal system is hereby given for the above-referenced Property, as follows:

1. <u>Existence</u>. An alternative system has been installed as a new or upgraded alternative sewage disposal system, on or adjacent to the Property, and serves the Property. The trade name and model number(s) of the alternative system are as follows:

Trade name of technology: MicroFAST Manufacturer Name: Bio-Microbics, Inc.

Model number(s): 0.5

## In conjunction with

Trade name of technology: Geoflow Dispersal System

Manufacturer Name: Geoflow, Inc.

Model number(s): WASTEFLOW CLASSIC WF16-4-24

2. <u>Approval/Certification-MicroFAST</u>. On June 16, 2006 (modified January 3, 2008), Revised November 5, 2012, the Department, pursuant to its authority under the section of Title 5 as specified below, approved or certified, with modification, the technology used in the above-referenced alternative system, under MassDEP Transmittal Number W 072367.

[Check one of the following, as applicable:]
_X_ Approved for remedial use under 310 CMR 15.284
Approved for piloting under 310 CMR 15.285
Provisionally approved under 310 CMR 15.286
Certified for general use under 310 CMR 15.288
<u>Approval/Certification-Geoflow.</u> On June 22, 2011 (Revised March 20, 2015), modified November 8, 2018 (changed ownership), the Department, pursuant to its authority under the section of Title 5 as specified below, approved or certified the technology used in the above-referenced alternative system, under MassDEP Transmittal Number W032585.
[Check one of the following, as applicable:]
X Approved for remedial use under 310 CMR 15.284
Approved for piloting under 310 CMR 15.285
Provisionally approved under 310 CMR 15.286
Certified for general use under 310 CMR 15.288
A copy of the Department's Approval/Certification is available from the Department in person or online at the Department's website: <a href="http://www.mass.gov/dep">http://www.mass.gov/dep</a> .
WITNESS the execution hereof under seal this 25 day of July, 2012 made by the above named Alternative System Owner(s).  Many 10 10 10 10 10 10 10 10 10 10 10 10 10
Print Name(s): And Murray William & Murray  Print Name(s): And Murray William & Murray
Worfolk, ss COMMONWEALTH OF MASSACHUSETTS
On this <u>35</u> day of <u>July</u> , 20 <u>3</u> , before me, the undersigned notary public, personally appeared Ann Murray and William G. Murray proved to me through satisfactory evidence of
identification, which were <u>HADL</u> , to be the persons whose name is signed on the
preceding or attached document, and acknowledged to me that they signed it voluntarily, for its stated
purpose.
MUTULLI 18 UNICULT
(Official signature and seal of notary)
Monica F. Brancato S

Monica F. Brancato
NOTARY PUBLIC
Commonwealth of Massachusetts
My Commission Expires
March 3, 2028

Approved and Accepted By:		
1-charine	Date: 6 30 27	
Agent of the Board of Health Health Department	•	
Town of Bourne		



Facility Address: 31 Tahanto Road Bracken Engineering, Inc. Preparer's Name:

Date: Watershed: 12/1/2023

**Pocasset River** 

Town of Bourne - Water Resources Nitrogen Loading and Mitigation Worksheet

See Cape Cod Commission Technical Bulletin 91-001 for further details: https://capecodcommission.org/resource-library/file/?url=/dept/commission/team/Website\_Resources/regulatory/NitrogenLoadTechbulletin.pdf

Project Nitrogen Load	Proposed Wastewater	New Construction/ Raze & Rebuild, Increase	es in Flow, or Repairs/ Upgrades	Existing Conditions	
	Duning the Title County to the Manual County	220.0	(-)	Calculate (A') through (P') as w/ (A) through (P):	
1.	Project Title-5 wastewater flow Actual wastewater flow		(a) (b)	Title-5 wastewater flows: 220.0 gpd  Actual wastewater flows: 175.0 *	
	Actual wastewater flow Average wastewater flow		(b) (A)		(A')
Place √ in applicable box:	Average wastewater now.	* Title-5 flows prescribed by TB91-001 for co		Avg. wastewater flows: 197.5 gpd	(A)
Yes No		5 p			
X Will the p	project be connected to sewer ?			Place √ in applicable box:	
				Yes No	
V Is project	t Title-5 wastewater flow 10,000 gpd or greater?			X Is existing development or	
				(If 'Yes', then go to line 2.)	
Place √ in applicable	box and multiply unsewered wastewater flow by applical	ole conversion factor:			
		x 0.048359		X Standard Title-5 System	
	roved I/A System (25-ppm-N)	x 0.034542		DEP-approved I/A System (comm	ercial)
x DEP-appr	roved I/A System (19-ppm-N)	x 0.026252 Type of system:	_ MictoFAST	DEP-approved I/A System (reside	ntial)
DEP-appr	roved Enhanced I/A (12-ppm-N)	x 0.016580		DEP-approved enhanced I/A	
	Wastewater nitrogen load	( <b>Title-5 flows</b> ) = 5.78 kg-N/yr	(B)	10.64 kg-N/yr	(B')
	wastewater introgen load	(11tie-3 110ws) = 3.76 kg-10/yi	(B)	10.04 kg-14/yi	(6)
	Wastewater nitrogen load	(Actual flows) = 4.59 kg-N/yr	(C)	8.46 kg-N/yr	(C')
				wastewate	er offsets
	Stormwater Runoff				
	_	Bourne (inches; for natural areas from Technical Bulletin 91-001)::	(RECH)		
		ironi recinicai Bulletin 91-001)	(KEON)		
	Project site area	a: 0.135 acres	(D)	Project site area: 0.135 acres	(D)
	Project site wetland area	a: 0.000 acres	(E)	Project site wetland area: 0.000 acres	(E)
	Project site upland area	a: 0.135 acres	(F)	Project site upland area: 0.135 acres	(F)
	Pervious unpaved upland	d: 0.104 acres	(G)	Pervious unpaved upland: 0.096 acres	(G')
	Tervious unpuved upiano	0.104 ucres	(3)	Tervious unpaveu upiditu.	(0)
	0 % using LID Paved area	a: 282 s.f.	(H)	Paved area: 284 s.f.	(H')
F		x 1.4158E-04			
	LID = low impact development	= 0.03992669 kg-N/yr	(1)	Paving runoff offset: 0.0402 kg-N/yr	(l')
	Do of ave		4.00	Doof areas 4 400 6	. III
	Roof area	,	(J)	Roof area: 1,402 s.f.	(J')
		x 7.0792E-05 = 0.0755 kg-N/yr	(K)	Roof runoff offset: 0.0993 kg-N/yr	(K')
		0.0755	(1.)	Noor randing on sea.	(11)
	Fertilizer Previous unpaved up	land - roof area =		1	
	Managed turf/ lawn are	<u>-                                    </u>		Managed Turf/ lawn area: 3,900 s.f.	
		x 3.4019E-04			
		= 1.538 kg-N/yr	(L)	Fertilizer offset: 1.327 kg-N/yr	(L')

Facility Address: Preparer's Name:

31 Tahanto Road Bracken Engineering, Inc.

12/1/2023 Date: Watershed: **Pocasset River** 

Town of Bourne - Water Resources Nitrogen Loading and Mitigation Worksheet

See Cape Cod Commission Technical Bulletin 91-001 for further details: https://capecodcommission.org/resource-library/file/?url=/dept/commission/team/Website\_Resources/regulatory/NitrogenLoadTechbulletin.pdf

	Total Nitrogen Load							
	Total project nitrogen load (Title-5 flows):	7.43 kg-N/yr	(M)=	(B)+(I)+(K)+(L)	Existing nitrogen load (	Title-5 flows):	12.11 kg-N/yr	(M')
	Total project nitrogen load (Actual flows):	6.25 kg-N/yr	(N)=	(C)+(I)+(K)+(L)	Existing nitrogen load (.	Actual flows):	9.93 kg-N/yr	(N')
	Nitrogen load per acre (Average):	<b>50.59</b> kg-N/yr/acre	(O)=	(M)+(N) ÷2 ÷(F)	Nitrogen of	fset per acre:	81.51 kg-N/yr/acr	e <b>(O')</b>
	Proposed Nitrogen Loading Concentration				I	Existing nitrogen lo	ading concentrations	
	Project nitrogen loading concentration ( <b>Title-5 flows</b> ):	<b>11.32</b> ppm-N	(P)=	(a)÷723.76 +	(M) (G)x(RECH)÷9.7286 + (H)÷10,594 + (K)÷0.75	Title-5 flows	<b>18.03</b> ppm-N	(P')
	Project nitrogen loading concentration ( <b>Actual flows</b> ):	<b>10.52</b> ppm-N	(Q)=	(b)÷723.76 +	(N) (G)x(RECH)÷9.7286 + (H)÷10,594 + (K)÷0.75	Actual flows	<b>16.30</b> ppm-N	(Q')
	Project nitrogen loading concentration (Average):	<b>10.92</b> ppm-N	(R)=	(P)+(Q) ÷2		Average	17.17 ppm-N	(R')
Resource/ Impact Base	ed Criteria							
Marine Water Recharge Areas / Coastal Embayments  Yes No  2. X In Is the project located in any of the following watersheds: Buttermilk Bay Basins, Phinneys Harbor / Back River / Eel Pond, Pocasset River Basin, Pocasset Harbor / Hen Cove / Red Brook Harbor, Megansett / Squeteague Harbors**?  (If 'No', then go to line 3.)								
	Name of Watershed (from Regional Policy Plan Data Viewer):  Critical Nitrogen-loading limit**:	Watershed  0.000 kg-N/year/acre	(S)					
Does project's nitrogen load (O) exceed the existing load (O') AND the critical nitrogen load (S)?  (If 'No', then go to line 3.)  Excess project nitrogen load to be mitigated:  0.00 kg-N/yr  (T)= LESSER OF (O)-(S) x(F) AND (O)-(O') x(F)								
** When a nitrogen-loading limit has been determined through either a Total Maximum Daily Load (TMDL), a Massachusetts Estuaries Project-accepted technical report, or specified by a Commission-approved comprehensive wastewater management plan pursuant to Objective WR3, or if impaired water quality has been documented for the receiving coastal waters, the nitrogen loading limit shall be 0 kg-N/yr per acre pursuant to Objective WR3.								
Groundwater Quality								
Yes No	Does the project's nitrogen loading concentration in groundwater (R) exceed the greater (If 'Yes', the project will need to provide an alternative strategy for meeting these the				•			
	Potential Public Water Supply Areas							
Yes No 4. X	Is project in a Potential Public Water Supply Area (PPWSA) ? (If 'No', then go to line 5.)							
	Does the project's nitrogen loading concentration (R) exceed the greater of 1 ppm or the (If 'Yes', the project must provide an alternative strategy for meeting Objective WR1)							

# Town of Bourne - Water Resources Nitrogen Loading and Mitigation Worksheet

Facility Address: Preparer's Name:

Date:

31 Tahanto Road Bracken Engineering, Inc.

Watershed:

12/1/2023 **Pocasset River** 

Χ Does the project use, treat, generate, store or dispose of hazardous materials in excess of the greater of a) household quantities or b) existing quantities? (If 'Yes', the project must provide an alternative strategy for meeting Objective WR1) Wellhead Protection Areas Yes No Χ Is project in a Wellhead Protection Area (WHPA)? Does the project's nitrogen loading concentration (R) exceed the greater of **5 ppm** or the existing concentration (R')? (If 'Yes', the project must provide an alternative strategy for meeting Objective WR1) Does the project use, treat, generate, store or dispose of hazardous materials in excess of the greater of a) household quantities or b) existing quantities? (If 'Yes', the project must provide an alternative strategy for meeting Objective WR1) Fresh Water Recharge Areas Yes No Χ Is project wastewater disposed of within 300 feet of a stream or fresh surface water body? (If 'No', then go to line 7.) Is the project located in a freshwater recharge area (FWRA) hydraulically upgradient of a stream or fresh surface water body? (If 'Yes', the project must provide an alternative strategy for meeting Objective WR2) Other Potential Impacts Χ Will the project withdraw more than 20,000 gallons of water per day? (If 'Yes', then the project must provide documentation demonstrating that there will not be significant impacts to water levels, surface waters and wetlands)

The project must demonstrate compliance with Objective WR4, including use of Low Impact Development to mitigate impacts of stormwater runoff and O & M plans for maintaining stormwater infrastructure and landscaping.



