STATE OF VERMONT PUBLIC SERVICE BOARD

Petition of Entergy Nuclear Vermont Yankee,)LLC, and Entergy Nuclear Operations, Inc.,)For a Certificate of Public Good Pursuant to)30 V.S.A. § 248 and 10 V.S.A. § 6522 to)Construct a Second Independent Spent Fuel)Storage Installation ("ISFSI") at the Vermont)Yankee Nuclear Power Station)

PSB Docket No. 8300

SUPPLEMENTAL PREFILED TESTIMONY AND EXHIBITS OF JOHN GOODELL

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1	Q1.	Please state your name and occupation.
2	A1.	My name is John Goodell. I am a civil engineer with the firm of SVE Associates (SVE).
3		
4	Q2.	Are you the same John Goodell that submitted prefiled testimony in this matter on
5		June 30, 2014.
6	A2.	Yes, I am.
7		
8	Q3.	What is the purpose of your testimony?
9	A3.	The purpose of my supplemental testimony is to update the plans for the second
10		Independent Spent Fuel Storage Installation (or "ISFSI") storage pad project (the
11		"Second ISFSI" or the "Project") to account for changes to the Project since the Petition
12		was filed on June 30, 2014.
13		
14	Q4.	Are you providing any exhibits with your testimony?

1	A4.	Yes. First, I am providing three updated site plans. The first plan, which I sponsor as
2		Exhibit EN-JG-7, shows the proposed Second ISFSI storage pad and related
3		improvements in detail. The second plan, which I sponsor as Exhibit EN-JG-8, shows
4		the location of the Second ISFSI storage pad, the 200 kW diesel generator and the barrier
5		wall in relation to the entire site. The third plan, which I sponsor as Exhibit EN-JG-9
6		(sheets E1 and E2), shows the revised generator location on the Erosion Control Site Plan
7		and adds a requirement for the work to be completed in accordance with the Vermont
8		Low Risk Site Handbook for Erosion Prevention and Sediment Control. In addition to
9		the revised plans I am also providing a copy of the revised Notice of Intent (NOI) form
10		for the Vermont Individual Stormwater Permit Application which reflects the changes in
11		impervious area for the new generator layout. I sponsor the revised NOI form as Exhibit
12		EN-JG-10.
13		
14		
15	Q5.	Aside from the alterations to the 200 kW diesel generation and addition of the barrier
16		wall, have you made any other changes to the site plans?
17	A5.	I have not made any other changes to the Second ISFSI storage pad site plan, Exhibit
18		EN-JG-7. However, I have updated the site conditions represented in the locational site
19		plan, Exhibit EN-JG-8. Several buildings or structures have been removed from the site
20		following its permanent cessation of operations in December 2014. The locational site
21		plan, Exhibit EN-JG-8, depicts the site conditions as of April 9, 2015.
22		

1	Q6.	Has the Erosion Control Plan been changed as a result of the Project changes?
2	A6.	Yes. The revised generator location and barrier increase the total ground disturbance for
3		the project to 1.07 acres. Under the National Pollutant Discharge Elimination System
4		(NPDES), construction sites with greater than 1 acre of ground disturbance are required
5		to obtain a permit for stormwater runoff. Entergy Nuclear Vermont Yankee is currently in
6		the process of obtaining permit coverage under the Vermont Construction General Permit
7		3-9020. A specific requirement for the work to be completed in accordance with the
8		Vermont Low Risk Site Handbook for Erosion Prevention and Sediment Control has been
9		added to the Erosion Control Plan to reflect the requirements of the Vermont
10		Construction General Permit 3-9020 for low risk sites.
11		
12	Q7.	Does the Vermont Individual Stormwater Permit application submitted for the Project
13		need to be revised to account for the changes to the 200 kW diesel generator and addition
14		of the barrier wall?
15	A7.	Yes. The revised generator location and barrier increase the amount of new impervious
16		surface added by the project to the VY Site from 4,500 square feet to 5,350 square feet.
17		Entergy Nuclear Vermont Yankee is in the process of revising the VT Operational
18		Stormwater Permit application to reflect this minor change.
19		
20	Q8.	Does the addition of the barrier wall to the Project plans require any additional truck
21		trips?

1	A8.	Yes. Construction of the barrier system for the generator is expected to increase the
2		number of truck visits for the Project from 420 to 450 truck visits (for an increase in truck
3		trips from 840 to 900).
4		
5	Q9.	Does the addition of 60 truck trips affect your previous conclusion that the Project will
6		not cause unusual congestion or unsafe conditions with respect to transportation?
7	A9.	No. As before, the level of traffic associated with this Project is well below that seen
8		during previous refueling outages and other projects at the Vermont Yankee Station. No
9		special traffic requirements are necessary other than local traffic management around the
10		construction site.
11		
12	Q10.	Do you have any other updates to make to your testimony at this time?

13 A10. No, not at this time.







LEGEND				1	· · · · · ·	
	- LIMIT OF DISTURBANCE					
~ 	- SILT FENCE					SP WE GOOD
	STONE CHECK DAM, SEE DETAIL					NO. 8098
	TEMPORARY INLET PROTECTION, SEE DETAIL					E P Civil
		2	REVISED GENERATOR BARRIER	TJS 5/6/15	JEG 5/6/15	ONAL ENDIN
	STORMWATER SUBCATCHMENT BOUNDARY	1	REV. GENERATOR LOCATION AND DISTURBED AREA	TJS 4/16/15	JEG 4/16/15	John E. Hora
		REVISION	DESCRIPTION	BY & DATE	CHK. & DATE	

Exhibit EN-JG-9 Page 1 of 2

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

GENERAL NOTES

- 1. Erosion control measures shall be conducted in accordance with the "Vermont Low Risk Site Handbook for Erosion Prevention and Sediment Control" and the "Vermont Handbook for Soil Erosion and Sediment Control on construction Sites."
- 2. These specifications are intended to ensure that construction is achieved with a minimum of disturbance to the environment. These are guidelines and should any protective measures prove deficient, then immediately provide additional materials or employ different techniques to correct the situation and prevent subsequent erosion.
- 3. Erosion control measures shall be inspected regularly when work is continuing and after every storm. Documented inspections shall be completed at least once every 7 days. Any damaged devices shall be repaired immediately. To insure the effectiveness of the erosion control measures, all potential snow and ice blockages shall be cleared.

CONSTRUCTION SEQUENCE

- 1. The contractor shall be responsible for establishing all erosion control measures delineated on the Plans and any additional measures that are necessary to minimize erosion. The Contractor shall have erosion control materials and installation equipment on site at all times.
- 2. Prior to the work, silt fences and construction fencing shall be installed as shown on plans. These shall remain in place and be maintained until the project site has been stabilized.
- 3. All erosion and stormwater control systems shall be inspected at least once every 7 calendar days and as soon as possible after rainfall events (within 24 hours). Needed repairs shall be made immediately. Sediment deposits shall be removed as they accumulate and placed in areas where further erosion is unlikely.
- 4. Rough grade site and stockpile topsoils. Surround stockpiles with silt fence per detail.
- 5. Proceed with construction once erosion control measures are in place.
- 6. All excavated areas which will remain open shall be seeded and mulched when no more soil disturbance is expected to occur within three (3) calendar days of being stripped or exposed.
- 7. Stabilize exposed slopes and soils as soon as graded, and maintain until adequately vegetated.
- 8. Slopes less than or equal to 3:1 shall be stabilized with seed and mulch. Slopes greater than 3:1 or in areas of concentrated flow, shall be stabilized using seed and erosion matting.
- 9. Provide additional erosion control as necessary to prevent erosion.
- 10. Complete final grading of site, place topsoil and permanently vegetate, landscape and mulch.
- 11. Seed and mulch permanent vegetation upon completion of final grading in a given area. 12. Continue temporary erosion control measures until the permanent measures have been sufficiently established and are capable of controlling erosion.

TEMPORARY EROSION AND SEDIMENT CONTROL 1. The smallest practical area of land shall be disturbed at any one time during development. When land is

- disturbed. the disturbance shall be kept to the shortest practical duration
- 2. Dust shall be controlled with water distributed by a truck-mounted spray bar. Calcium Chloride (AASHTO M 144 or Sodium Chloride (AASHTO M 143) may be used with approval of site chemistry department.
- 3. <u>Silt Fen</u>ce Shall be installed as shown on the erosion control plan. Silt fence shall be Mirafi 100X or equa and shall be keyed into the soil a minimum of 4 inches.
- 4. Excavated material from earth excavation and ditch digging shall be disposed of offsite or used for project fill material if determined suitable by the Owner's Representative
- 5. Stockpiled material (Topsoil, Borrow, etc.) shall have a silt fence constructed around the perimeter. The stockpile material shall be seeded and mulched as soon as possible to prevent soil erosion and sedimentation off site. Locate stockpiles on the uphill side of disturbed areas, if possible. during windy conditions, stockpiled material shall be covered or watered appropriately to prevent wind erosion.
- 6. Slopes grater than 3:1 shall have erosion control netting installed to stabilize the slope and reduce the erosion potential. Netting shall be biodegradable with a 12 month longevity, S150BN as manufactured by North American Green Mulch. Pin setting with wire staples 3 feet O.C. to ensure full bonding with soil surface. The slope surfaces should be left slightly roughened and not smooth. If large amounts of offsite water will drain over these slopes, temporary diversion swales shall be installed up slope until the slope vegetation stabilizes.
- 7. <u>Temporary Vegeta</u>tion: When it is impractical to establish permanent protective vegetation on exposed areas, including topsoil stockpiles, temporary vegetation shall be planted as follows: a. All grading and all temporary structures needed to prevent erosion should be completed prior
- to seeding. b. Remove stones and trash that will interfere with seeding the area.
 c. Apply a minimum of 300 lbs/acre (7 lbs/1000 sq.ft.) of 10-10-10 fertilizer uniformly over the area
- to be seeded. d. Prepare the seedbed by tilling the soil to a depth of 3 to 4 inches by disking or other suitable means in order to incorporate the fertilizer into the soil. The last tillage operation should be
- performed across the slope whenever practical. Seed and seeding rates may be selected from the table below. The selection will be based on
- the time of year the seeding is to be made and the length of time the vegetation is to afford protection. The seed should be spread uniformly over the area. After seeding, the soil should be firmed by rolling or packing. Where rolling or packing is not feasible, the seed should be covered
- lightly by raking, disking or dragging. f. All disturbed areas of the site, following fertilizing and seeding, shall be mulched with straw or hav at a rate of 1.5 tons/acre.
- g. <u>Plant Selection and Seeding Rates for temporary erosion and s</u>ediment control: Seeding Rate

	Species	Per Acre	<u>Per 1000 sq. ft.</u>	<u>Remarks</u>
	Winter Rye	2 bu. or 112 lbs.	2.5 lbs.	Best for fall seeding. Seed August 15 to September 5 for best cover. Seed to a depth of 1 inch.
	Oats	2-1/2 bu.	2 lbs.	Best for spring seedings. Seed no or 80 lbs. later than May 15 for summer protection. Seed to a depth of 1 inch.
	Annual Ryegrass	40 lbs.	1 lb.	Grows quickly but is of short duration. Use where appearances are important. Seed early spring or between August 15 and September 15. With mulch, seeding may be done throughout the growing season. Cover seed with no more than 1/4 inch of soil.
h.	All disturbed are whether final gra shall be removed with 6 inches of biodegradable ere	eas of the site shall b ding has been comple before fertilizing, see hay or straw. After osion matting.	be seeded and mulched ted. On any exposed ding and mulching. W October 15, Slopes ove	d by October 15, regardless of earth covered with snow, the snow finter Rye seeds shall be mulched er 5% shall be seeded and covered with
8.	Continue tempo established and o	rary erosion control m capable of controlling	easures until the perm erosion.	nanent measures are sufficiently
9.	<u>Stone Check D</u> an	n		

a. Type 1 Stone Varies from 1-inch to 12-inches with 50% of the volume at least 4-inches.

b. Crushed Gravel or Stone The crushed gravel shall be uniformly graded from coarse to fine and shall meet the following requirements:

		Percentage by
Grading	Sieve Designation	Mass (Weight) Passing Square Mesh Sieves
Coarse	4 inch	95 to 100
	No. 4	25 to 50
	No. 100	0 to 12
	No. 200	0 to 6
Coarse	4 inch No. 4 No. 100 No. 200	95 to 100 25 to 50 0 to 12 0 to 6

PERMANENT EROSION CONTROL

- permanent vegetation has stabilized.
- until the area is inspected by the Owner or Engineer and found to be stabalized.
- 4. After the site is stabilized, remove all temporary measures and install permanent vegetation on the disturbed

- 7. Surface and seepage water shall be drained or diverted from the site. Stones larger than 4 removed.
- 8. A minimum of 2 tons of lime per acre and 1,000 pounds of 5-10-10 fertilizer per acre practical.
- inch of soil or less by cultipacking or raking.
- TABLE 1: SEEDING GUIDE

	1/	
lse	Seeding <u>Mixture</u>	<u>Droug</u>
Steep cuts and ills. Gravel pits, porrow, and lisposal areas	A B C D E	Fair Excel Good Fair Good
Vaterways, emergency spill— vays and other channels with lowing water	A C D	Good Good Good
ightly used barking lots, bdd areas, inused land ind low intensity use recreation	A B C C	Good Good Good Fair

1/ Refer to seeding mixtures and rates in Table 2. 2/ Poorly-drained soils are not desirable for use as playing areas and athletic fields.

SPECIAL REQUIREMENTS FOR LATE SEASON/WINTER EROSION CONTROL (OCTOBER 15 TO MAY 1)

- 2. Establish vegitation in all non winter construction areas prior to october 15.

- hay or straw mulch at the end of EACH DAY.
- be removed before fertilizing, seeding and mulching.

Drawing name: P:\Project\B4000—24 Entergy — Dry Fuel Storage Pad\Dwg\Design\B4000—24—04 SW & Erosion.dwg May 05, 2015 — 11:48am

1. Grass lined swales shall be loamed, seeded, fertilized and covered with biodegradable erosion matting. Areas which exhibit signs of erosion shall be repaired and re-seeded immediately and maintained until

2. When construction is completed in an area, it shall be immediately loamed, seeded, fertilized and mulched. 3. The Contractor shall be responsible for the continued maintenance of all disturbed areas, including watering,

5. Re-seeding shall be done until all areas are completely covered with a mature strand of grass. An area shall be considered covered when the entire surface contains a fresh growth of grass. Areas that, in the opinion of the Engineer, are predominantly weeds shall be plowed up, fine graded, fertilized and re-seeded in the manner specified previously, excersizing caution not to damage new or existing plant material.

6. Cut and fill slopes shall be maximum grades of 2 horizontal to 1 vertical except in areas of rock excavation or areas designated on the plans for special construction. Rock may be excavated to a maximum of 1 horizontal to 4 vertical. All permanent slopes shall be loamed, fertilized, seeded and mulched after the area is graded and within three (3) days of being stripped or exposed.

inches and trash that will interfere with seeding and future maintenance of the area shall be

shall be worked into the top 3 to 4 inches of soil in order to prepare a reasonably firm and smooth seedbed. The last tillage operation should be performed across the slope whenever

9. Seed should be spread uniformly by the method most appropriate for the site. Methods include broadcasting, drilling and hydroseeding. Where broadcasting is used, cover seed with 1/4

10. Refer to Table 1 for appropriate seed mixtures and Table 2 for rates of seeding. All legumes (crownvetch, bird?s foot trefoil and flatpea) must be inoculated with their specific inoculant.

<u>Mixture</u> A. tall fescue

creeping red fescue red top total tall fescue creeping red fescue crownvetch or flatpea 40 or 55 total C. tall fescue creeping red fescue bird's foot trefoil total D. bird's foot trefoil red top red canaryarass E. tall fescue flatpea total

11. Where possible, construction shall be scheduled so that seeding can take place between early spring May 1 and September 1 so that all seeded areas have a visible growth of grass by October 1. 12. All seeded areas shall be mulched immediately following the seeding operation. From the following, mulch material shall be selected by the engineer and applied to best meet the needs of

TABLE 2: SEEDING RATES

<u>Lbs. per Acre</u>

Mulch Materials and Rates Hay or Straw, 1 to 1—1/2 tons per acre, 70 to 90 lbs. per 1,000 sq. ft.

the site

Wood Chips or Ground Bark, 2 to 6 inches deep, 10 to 20 Tons per acre, 460 to 920 lbs. per 1,000 sq. ft. Jute and Fibrous Mats

Crushed Stone, 1/4 to 1-1/2

Inches in diameter, spread more than 1/2-inch thick.

Remarks

Can be spread by hand or by machine. Must be dry and free of mold. May be used with plantings or for erosion control alone. Subject to blowing and slipping on steep slopes unless anchored.

Resists wind erosion but will wash away in a concentrated flow of water. Decomposes slowly. Used only with trees and shrub plantings. Add 11 pounds of available nitrogen per ton to avoid nitrogen deficiency.

Used as a mulch especially in areas of concentrated flow. Must be carefully installed and anchored. Durable. Can be used for erosion control without other mulching materials. The waterway, channel, or area to be protected is to be shaped to required shape and grade and thoroughly compacted before seedbed preparation. Rocks or clods over 1-1/2 inches in diameter and sticks or other material that will prevent contact of the fiber matting with the soil surface should be removed. After seeding is completed, matting should be laid in the direction of flow and applied in accordance with instructions in each roll of material. After mattina is installed, a cultipacker or other suitable implement should be rolled at right angles over the entire area so as to thoroughly fuse the matting with the soil surface. Effective in controlling wind and water erosion.

1. Winter construction shall be avoided wherever possible. When necessary the contractor sould follow the winter construction procedures outlined in the "Vermont Handbook For Soil Erosion and Sediment Control on Construction Sites." Area and amount of disturbance shall be minimized. 3. These additional measures shal be taken for earthwork performed between October 15 and May 1: a. All disturbed areas where finish grading is completed shall be fertilized, seeded with winter rye and mulched with 6 inches of hay or straw. All disturbed areas on slopes greater than 5% or in areas of concentrated flow shall have biodegradable erosion STAPL F matting installed instead of mulch. JUTE MESH EXCELSIOR BLANKET b. All disturbed areas that are not at finished grade shall be covered with 6 inches of EROSION CONTROL MATTING DETAIL 1 TERMINAL FOLD c. During wintertime construction, there shall be <u>daily</u> documented inspections. d. If exposed earth is covered with snow prior to seeding and mulching, then snow shall -12"/> STAPLES STAPLES JUTE MESH EXCELSIOR BLANKET EROSION CONROL MATTING FINE WIRE MESH-**DETAIL 2 JUNCTION SLOT** CONCRETE BLOCK —16″——- STAPLES JUTE MESH STAP EXCELSIOR BLANKET EROSION CONTROL MATTING EROSION CONTROL MATTING DETAIL 3 ANCHOR SLOT DETAIL 4 CHECK SLOT CONSTRUCTION SPECIFICATIONS SPACING: INSTALL RECP EVERY 50 FT. ON SLOPES MORE THAN 4% AND LESS THAN 6%. ON SLOPES OF 6% OR MORE, THEY SHALL BE SPACED SO THAT GRAVEL FILTER OF 1" TO 1 1/2" **AREA DRAIN** CLEAN DRAIN ROCK. ONE OCCURS WITHIN EACH 25 FEET. STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2 FEET APART AND IN ROWS APPROXIMATELY 3 FEET APART. APPROXIMATELY GRAVEL SLOPE 175 STAPLES ARE REQUIRED PER 4 FT. X 225 FT. ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4 FT. X 150 FT. ROLL OF MATERIAL. DISTURBED AREA SHALL BE SMOOTHLY GRADED TO ENSURE CLOSE CONTACT BETWEEN RECP AND GROUND. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND FINE WIRE MESH SURFACE. DO NOT STRETCH. OVEREI (ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12 FOOT INTERVALS. RUNOFF WATER INSTALLATION MUST COMPLY WITH MANUFACTURER'S RECOMMENDATIONS. WITH SEDIMENT **EROSION CONTROL MATTING** NOT TO SCALE - DROP INLET FILTERED WATER WITH GRATE BLOCKS SHALL BE STACKED WITH THE OPENINGS ON THE TOP AND BOTTOM EXCEPT FOR THE CENTER BLOCKS. CENTER BLOCKS WILL HAVE OPENINGS PERPENDICULAR TO FLOW. **TEMPORARY STONE & BLOCK** INLET PROTECTION Civil NOT TO SCALE

<u>Lbs. per 1,000 sq. ft.</u> .95 or 1.35 .45 .45 <u>.20</u> 1.10

P.O.Box 1818, Brattleboro, VT 05302-1818 Phone (802) 257-0561 Fax (802) 257-0721

website: www.sveassoc.com

AS SHOWN

REVISED GENERAL NOTE 1 5/5/15

Updated June 2012

INDIVIDUAL STORMWATER DISCHARGE PERMIT APPLICATION

- 1. Applicant Name(s)1: Entergy Nuclear Vermont Yankee, LLC
- 2. Is this NOI being submitted in connection with a subdivision²? Yes No
- 3. Address of Applicant(s): <u>320 Governor Hunt Road</u>

Vernon, VT 05354

- 4. Telephone Number: 802-258-5526
- 5. Fax: 802-258-5525
- 6. E-mail: Idewald@entergy.com
- 7. Project Name: Entergy VY Second Dry Fuel Storage Pad
- 8. Project Location Address: 320 Governor Hunt Road
- 9. Project Location Coordinates (center of project): Latitude: 42°46'47.05"

Longitude: 072°30'50.08"

- 10. Act 250 Permit Number (if applicable): <u>N/A</u>
- 11. Existing Stormwater Permit Number related to this project (if any): 4213-9015
- 12. Number of discharge points for the project: 1
 - 13. Receiving Water(s): Connecticut River
- 14. If your project will discharge to a <u>stormwater impaired water</u> you will need to provide a sediment off-set for your project. Please contact the stormwater program to discuss this requirement.
- 15. Have or will you be submitting an application for coverage under a construction discharge permit also? ⊠ Yes □ No □ Not Applicable
- 16. The following items <u>must</u> be included in your application materials for your application to be considered complete. Be certain to use the most up-to-date forms by downloading them directly from our <u>webpage</u>. Submitted applications using out-of-date forms may be rejected.
 - □ Narrative
 - o Provide the information requested on the "Application Narrative Instructions"
 - □ Schedule A(s) and Standard Treatment Practices (STPs)/Credit worksheets
 - o Complete and attach a copy of Schedule A for each discharge point from the project.
 - Complete and attach STP/Credit/Waiver worksheets for each STP/Credit/Waiver listed on the Schedule A for each discharge point, as well as any necessary WQv/Rev calculation sheets.
 - □ Maps/Site Plans (11" x 17" preferred, all maps must have legend, scale bar and north arrow)

¹ If the applicant is a business, the business must be registered with the Secretary of State.

² Includes, but is not limited to, residential or commercial subdivisions, condominiums or industrial parks.

- Topographic map showing the location of the site, points of discharge, discharge points and receiving water(s).
- o Soils map (with HSGs), overlaid with site outline.
- If existing impervious/stormwater treatment systems are present, include a site plan of existing conditions.
- Proposed conditions site plan, with existing impervious, redeveloped impervious and new (expanded) impervious clearly identified in the legend, labeled discharge points, and labeled locations of STPs or Credits.
- A detail sheet containing all applicable STPs for your project and demonstrating adherence to the design criteria for the STPs.
- Credit design detail sheet ("typical") when and where credits requiring specific design criteria will be used to meet standards.
- □ Runoff Modeling (where applicable)
 - Pre-development/existing conditions sub-watershed delineations with labels and labeled points of interest/discharge points, overlaid over existing site plan with contours.
 - o Pre-development/existing conditions model schematic.
 - Post-development/proposed conditions sub-watershed delineations with labels and labeled study points/discharge points, overlaid over proposed site plan with contours.
 - o Post-development/proposed conditions model schematic.
 - o Sub-watershed information (area and curve number assignment) for pre and post scenarios.
 - o Time of concentration calculations for pre and post scenarios.
 - o Runoff calculations for each element in the model.
 - o Calculation time span adjusted to include entire volume of runoff.
 - o Modified CN calculations if Water Quality (< 0.9") storm was modeled.
- Additional Supporting Information
 - o Any information/calculations required by STP/Credit/Waiver worksheets

17. Include a check for the appropriate permit fees:

Administrative processing fee (\$120.00):	\$ <u>120.00</u>
plus	+
Application review fee (\$ <u>430 x 0.49</u> impervious acre ³): (A minimum fee of \$220.00 applies)	\$ <u>210.70</u>

Total Permit Fees (Check= 89299): The minimum	\$ <u>340.00</u>
The minimur	n lee total is \$340.00.

Date of application: June 23, 2014

Classic water 51400/impervious acre

lass B water = 54.50/impervious acre

to and implicitly acreage listed on Schedule A'ric near 10.00 acreates the acreates in 14 acreate

20.

18. DESIGNER CERTIFICATION: I hereby certify that the design-related information submitted with this application for coverage under General Permit 3-9015 was prepared under my direction or supervision and that the information is, in the exercise of my reasonable professional judgment, true, accurate and complete. I also hereby certify that the stormwater collection, treatment and control system design submitted with this application complies with DEC's Stormwater Management Rule and the Vermont Stormwater Management Manual.

Original Signature of Stormwater Designer

SVE Associates - John E. Goodell, P.E. Print or Type Name Civil Engineer Title

19. OWNER / OPERATOR CERTIFICATION: Thereby certify that I have read General Permit 3- 9015 and agree to abide by its terms.

We

Original Signature of Owner or Authorized Representative*

Site Vice President Title

Christopher Wamser Print or Type Name

Original Signature of Operator (if any) or Authorized Representative

Title

Print or Type Name

Note: Submission of a Notice of Intent does not confer coverage under General Permit 3-9015. A permit must be deemed technically complete and the applicant must receive a signed authorization to discharge before the discharge of regulated stormwater from impervious surfaces requiring coverage is authorized.

¹ In the applicant is an individual, but the Neultiber being signed by an authorized representative their a letter indicating that said per-inits the authorized representative must accompany this NOT. If the applicant is a business (registered with the Secretary of State) then the signature must be provided by one of the following i) the person listed as the registered with the Secretary of State it) an executive figure such as the president charpers in or superintendent for iti) an individual whole status as an authorized representative is verified in writing by the registered agent of secretary efficients.