
SITE LOCATION OF DEVELOPMENT PERMIT APPLICATION 38 M.R.S.A. §§481-490

PLEASE TYPE OR PRINT IN *INK ONLY*

This application is for: (CHECK THE ONE THAT APPLIES)		<input checked="" type="checkbox"/> 20 acre development	<input type="checkbox"/> Marine Oil Terminal	<input type="checkbox"/> Major Amendment
		<input type="checkbox"/> Planning Permit	<input type="checkbox"/> Structure	<input type="checkbox"/> Minor Amendment
		<input type="checkbox"/> Metallic Mining	<input type="checkbox"/> Subdivision	
1. Name of Applicant:	Hartland Solar Facility, LLC		6. Name of Agent (if applicable):	Tetra Tech, Inc.
2. Applicant's Mailing Address:	9805 NE 116th Street, Suite A600, Kirkland, Washington 98934		7. Agent's Mailing Address:	451 Presumpscot Street Portland, Maine 04103
3. Applicant's Daytime Phone #:	206-619-3094		8. Agent's Daytime Phone #:	207-650-6406
4. Applicant's Fax # (if available):	NA		9. Agent's Fax # (if available):	NA
5. Applicant's e-mail address (REQUIRED -license will be sent via: e-mail):	vh@teichos.com		10. Agent's e-mail address (REQUIRED - license will be sent via e-mail):	jim.cassida@tetrattech.com

PROJECT INFORMATION

11. Name of Development:	Hartland Solar Project					
12. Map and Lot #'s:	Map #:	Lot #:	13. Deed Reference #'s:	Book #: see attached, Table 1	Page #: see attached, Table 1	
14. Location of Project City/Town:	Hartland		15. County: Somerset	16. UTM Northing	453.744	17. UTM Easting 4.968.773
18. Brief Description of Project including total parcel size:	140 megawatt solar project and associated facilities with an approximately 1130 acres Project area.					
19. Type of Direct Watershed: (Check all that apply)	<input type="checkbox"/> Lake not most at risk <input checked="" type="checkbox"/> River, stream or brook <input type="checkbox"/> Coastal wetland <input checked="" type="checkbox"/> Lake most at risk <input type="checkbox"/> Urban impaired stream <input type="checkbox"/> Wellhead or public water <input type="checkbox"/> Lake most at risk, severely blooming <input checked="" type="checkbox"/> Freshwater wetland					
20. Name of Waterbody Project Site drains to:	Lemon Stream-Black Stream, Black Stream and Great Moose Lake					
21. Amount of Developed Area:	Total 13.98 acres:	Existing Developed area: 0 acres		New Developed area: 13.9 acres		
22. Amount of Impervious Area:	Total 11.77 acres:	Existing Impervious areas 0 acres		New Impervious area: 11.7 acres		
23. Development started prior to obtaining a license?:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
24. Development or any portion of the site subject to enforcement action?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			If yes, name of enforcement staff involved?		
25. Common scheme of development?:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	26. Title, Right or Interest:		<input type="checkbox"/> own <input checked="" type="checkbox"/> lease	<input type="checkbox"/> purchase option <input type="checkbox"/> written agreement	
27. Natural Resources Protection Act permit required?:	<input type="checkbox"/> Yes <input type="checkbox"/> No		If yes:		<input checked="" type="checkbox"/> PBR <input type="checkbox"/> Tier 1 <input checked="" type="checkbox"/> Full Permit <input type="checkbox"/> Tier 2	
28. Existing DEP Permit number (if applicable):	NA					
29. Names of DEP staff person(s) present at the pre-application meeting:	Shannon Smith, Dawn Hallowell, Rob Wood					
30. Does agent have an interest in project? If yes, what is the interest?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					

CERTIFICATIONS AND SIGNATURES LOCATED ON PAGE 2

IMPORTANT: IF THE SIGNATURE BELOW IS NOT THE APPLICANT'S SIGNATURE, ATTACH LETTER OF AGENT AUTHORIZATION SIGNED BY THE APPLICANT.

By signing below the applicant (or authorized agent), certifies that he or she has read and understood the following :

CERTIFICATIONS / SIGNATURES

"I certify under penalty of law that I have personally examined the information submitted in this document and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the information is true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I authorize the Department to enter the property that is the subject of this application, at reasonable hours, including buildings, structures or conveyances on the property, to determine the accuracy of any information provided herein.

Further, I hereby authorize the DEP to send me an electronically signed decision on the license I am applying for with this application by emailing the decision to the electronic address located on the front page of this application (see #5 for the applicant and #10 for the agent)".

Signed: *Jim Cassida* Title Sr Program Director Date: January 26, 2024

Notice of Intent to Comply with Maine Construction General Permit

With this Site Law application form and my signature, I am filing notice of my intent to carry out work which meets the requirements of the Maine Construction General Permit (MCGP). I have read and will comply with all of the MCGP standards.

If this form is not being signed by the landowner or lessee of the property, attach documentation showing authorization to sign.

Signed *Jim Cassida* Date: January 26, 2024

NOTE: You must file a MCGP Notice of Termination (Form K) within 20 days of completing permanent stabilization of the project site.

CERTIFICATION

The person responsible for preparing this application and/or attaching pertinent site and design information hereto, by signing below, certifies that the application for development approval is complete and accurate to the best of his/her knowledge.

Signature: *Jim Cassida*

Name (print): Jim Cassida

Date: January 26, 2024

Re/Cert/Lic No.: PE18213
 Engineer Tetra Tech, Inc.
 Geologist S.W Cole, Inc
 Soil Scientist Broadwater Environmental, LLC
 Land Surveyor Sewall
 Site Evaluator Broadwater Environmental, LLC
 Active Member of the Maine Bar Verrill
 Professional Landscape Architect TJD&A
 Other Tetra Tech, Inc.

Table 1 Deed Reference Numbers

Landowner	Parcel Map & Lot #	Book	Page	Acres
Weyerhaeuser Company	008-003	17.65	87	580.70
Weyerhaeuser Company	005-001	17.65	61	488.70
Weyerhaeuser Company	004-008	17.65	61	715.00
Weyerhaeuser Company	004-007	17.65	61	407.70
Weyerhaeuser Company	004-003	17.65	59	1,819.70
Total				4,011.80

January 8, 2024

Hartland Solar Facility LLC
500 Union St, Suite 625
Seattle, WA 98101

Dear Sir/Madam:

Permitting Agent Authorization Letter

Hartland Solar Facility LLC hereby authorizes Tetra Tech at 451 Presumpscot Street Portland, Maine 04103 to be our permitting agent for the proposed Hartland Solar Project in Hartland, Maine.

Any and all acts carried out by the above agent on our behalf shall have the same effects as acts of our own.

Sincerely,

Hartland Solar Facility, LLC



Jim Voorhees
Senior Vice President of Development
Teichos Energy



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Individual Permit Application Fee – Check Processing Form

The Department is now requiring the submission of the following permit applications by email:

- Site Location of Development Law (Site Law)
- Natural Resources Protection Act (NRPA)
- Stormwater Management Law
- Maine Waterway Development and Conservation Act (MWDCA)
- Borrow Pits and Quarries – Variances and Notices of Intent to Comply

All applications must include the application fee. The Department’s review of an application for completeness begins upon receipt of the application and application fee. The fee for each permit type is listed in the Department’s fee schedule (<https://www.maine.gov/dep/feeschedule.pdf>).

Payment by Credit Card. Application fees up to \$5,000 may be paid by credit card on the Department’s [payment portal](#). Instructions for using the portal and including payment confirmation with an application are available on the Department’s website:

(<https://www.maine.gov/dep/land/permits/individual/index.html>).

(You do not need to complete this form if you pay the application fee using the portal.)

Payment by Check. Individual permit applicants paying the application fee by check must:

- a. Complete this form and include a copy along with the email submission of the application to DEP.LandApplication@maine.gov; AND
- b. Mail a check for application fee and completed copy of this form to: Department of Environmental Protection, 17 State House Station, Augusta, ME 04333-0017. Checks should be payable to “Treasurer, State of Maine.”

Project Information	
Applicant Name	Hartland Solar Facility, LLC
Municipality	Town of Hartland
Contact Name	Vincent Hansen
Contact Email	vh@teichos.com
Contact Phone #	(206)-619-3094 Ext:

Application Fee			
Permit Type	Processing Fee	Licensing Fee	Total
Site Law	\$8,685.00	\$4,342.00	\$13,027.00
NRPA	\$979.38	\$326.46	\$1,305.84
Solar Decommissioning Law	\$460.00	\$114.00	\$574.00
Permit-by Rule		\$307.00	\$307.00

Check No.:

Amount: \$15,213.84

TEICHOS ENERGY LLC
P O BOX 408
MEDINA, WA 98039
425-658-3775



1/15/2024

PAY TO THE ORDER OF Treasurer, State of Maine

**15,213.84

\$

Fifteen Thousand Two Hundred Thirteen and 84/100*****

DOLLARS

STATE OF MAINE
Department of Environmental Protection
17 State House Station
Augusta, ME 04333-0017

[Handwritten Signature]
INFORMATION ONLY
AUTHORIZED SIGNATURE

MEMO Hartland Solar - State Permitting Application Fee



1000560250

TEICHOS ENERGY LLC

3542

Treasurer, State of Maine

Date	Type	Reference	Original Amt.	Balance Due	1/15/2024 Discount	Payment
1/8/2024	Bill	Hartland Solar - Sta	15,213.84	15,213.84		15,213.84
					Check Amount	15,213.84

WA Trust Checking - Hartland Solar - State Permitting Application Fee 15,213.84

SUBMISSIONS CHECKLIST

If a provision is not applicable, put "NA"

Section 1. Development description

- _____ A. Narrative
 - _____ 1. Objectives and details
 - _____ 2. Existing facilities (with dates of construction)
- _____ B. Topographic map
 - _____ 1. Location of development boundaries
 - _____ 2. Quadrangle name
- _____ C. Construction plan
 - _____ 1. Outline of construction sequence (major aspects)
 - _____ 2. Dates
- _____ D. Drawings
 - _____ 1. Development facilities
 - _____ a. Location, function and ground area
 - _____ b. Length/cross-sections for roads
 - _____ 2. Site work (nature and extent)
 - _____ 3. Existing facilities (location, function ground area and floor area)
 - _____ 4. Topography
 - _____ a. Pre- and post-development (contours 2 ft or less)
 - _____ b. Previous construction, facilities and lot lines

_____ **Section 2. Title, right or interest** (copy of document)

Section 3. Financial capacity

- _____ A. Estimated costs
- _____ B. Financing
 - _____ 1. Letter of commitment to fund
 - _____ 2. Self-financing
 - _____ a. Annual report
 - _____ b. Bank statement
 - _____ 3. Other
 - _____ a. Cash equity commitment
 - _____ b. Financial plan
 - _____ c. Letter
 - _____ 4. Affordable housing information

Section 4. Technical ability (description)

- _____ A. Prior experience (statement)
- _____ B. Personnel (documents)

Section 5. Noise

- _____ A. Developments producing a minor noise impact (statement)
 - _____ 1. Residential developments
 - _____ 2. Certain non-residential subdivisions
 - _____ 3. Schools and hospitals
 - _____ 4. Other developments
 - _____ a. Type, source and location of noise
 - _____ b. Uses, zoning and plans
 - _____ c. Protected locations
 - _____ d. Minor nature of impact

- _____ e. Demonstration
- _____ B. Developments producing a major noise impact (full noise study)
- _____ 1. Baseline
- _____ a. Uses, zoning and plans
- _____ b. Protected locations
- _____ c. Quiet area
- _____ 2. Noise generated by the development
- _____ a. Type, source and location of noise
- _____ b. Sound levels
- _____ c. Control measures
- _____ d. Comparison with regulatory limits
- _____ e. Comparison with local limits

_____ **Section 6. Visual quality and scenic character**(narrative, description, visual impact analysis)

_____ **Section 7. Wildlife and fisheries** (narrative)

_____ **Section 8. Historic sites** (narrative)

_____ **Section 9. Unusual natural areas** (narrative)

Section 10. Buffers

- _____ A. Site plan and narrative

Section 11. Soils

- _____ A. Soil survey map and report
- _____ 1. Soil investigation narrative
- _____ 2. Soil survey map
- _____ B. Soil survey intensity level by development type
- _____ 1. Class A (High Intensity) Soil Survey
- _____ 2. Class B (High Intensity) Soil Survey
- _____ 3. Class C (Medium High-Intensity) Soil Survey
- _____ 4. Class D (Medium Intensity) Soil Survey
- _____ C. Geotechnical Investigation
- _____ D. Hydric soils mapping

Section 12. Stormwater management

- _____ A. Narrative
- _____ 1. Development location
- _____ 2. Surface water on or abutting the site
- _____ 3. Downstream ponds and lakes
- _____ 4. General topography
- _____ 5. Flooding
- _____ 6. Alterations to natural drainage ways
- _____ 7. Alterations to land cover
- _____ 8. Modeling assumptions
- _____ 9. Basic standard
- _____ 10. Flooding standard
- _____ 11. General standard
- _____ 12. Parcel size
- _____ 13. Developed area
- _____ 14. Disturbed area
- _____ 15. Impervious area
- _____ B. Maps
- _____ 1. U.S.G.S. map with site boundaries
- _____ 2. S.C.S. soils map with site boundaries
- _____ C. Drainage Plans (a pre-development plan and a post-development plan)

- _____ 1. Contours
- _____ 2. Plan elements
- _____ 3. Land cover types and boundaries
- _____ 4. Soil group boundaries
- _____ 5. Stormwater quantity subwatershed boundaries
- _____ 6. Stormwater quality subwatershed boundaries
- _____ 7. Watershed analysis points
- _____ 8. Hydrologic flow lines (w/flow types and flow lengths labeled)
- _____ 9. Runoff storage areas
- _____ 10. Roads and drives
- _____ 11. Buildings, parking lots, and other facilities
- _____ 12. Drainage system layout for storm drains, catch basins, and culverts
- _____ 13. Natural and man-made open drainage channels
- _____ 14. Wetlands
- _____ 15. Flooded areas
- _____ 16. Benchmark
- _____ 17. Stormwater detention, retention, and infiltration facilities
- _____ 18. Stormwater treatment facilities
- _____ 19. Drainage easements
- _____ 20. Identify reaches, ponds, and subwatersheds matching stormwater model
- _____ 21. Buffers
- _____ D. Runoff analysis (pre-development and post development)
 - _____ 1. Curve number computations
 - _____ 2. Time of concentration calculations
 - _____ 3. Travel time calculations
 - _____ 4. Peak discharge calculations
 - _____ 5. Reservoir routing calculations
- _____ E. Flooding Standard
 - _____ 1. Variance submissions (if applicable)
 - _____ a. Submissions for discharge to the ocean, great pond, or major river
 - _____ i. Map
 - _____ ii. Drainage plan
 - _____ iii. Drainage system design
 - _____ iv. Outfall design
 - _____ v. Easements
 - _____ b. Insignificant increase
 - _____ i. Downstream impacts
 - _____ c. Submissions for discharge to a public stormwater system
 - _____ i. Letter of permission
 - _____ ii. Proof of capacity
 - _____ ii. Outfall analysis and design (pictures)
 - _____ 2. Sizing of storm drains and culverts
 - _____ 3. Stormwater ponds and basins
 - _____ a. Impoundment sizing calculations
 - _____ b. Inlet calculations
 - _____ c. Outlet calculations
 - _____ d. Emergency spillway calculations
 - _____ e. Subsurface investigation report
 - _____ f. Embankment specifications
 - _____ g. Embankment seepage controls
 - _____ h. Outlet seepage controls
 - _____ i. Detail sheet
 - _____ j. Basin cross sections
 - _____ k. Basin plan sheet
 - _____ 4. Infiltration systems
 - _____ a. Well locations map
 - _____ b. Sand and gravel aquifer map
 - _____ c. Subsurface investigation report with test pit or boring logs

- _____ d. Permeability analysis
- _____ e. Infiltration structure design
- _____ f. Pollutant generation and transport analysis
- _____ g. Monitoring and operations plan
 - _____ i. Locations of storage points of potential contaminants
 - _____ ii. Locations of observation wells and infiltration monitoring plan
 - _____ iii. Groundwater quality monitoring plan
- _____ 5. Drainage easement declarations.
- _____ F. Stormwater quality treatment plan peak discharge calculations
 - _____ 1. Basic stabilization plan
 - _____ a. Ditches, swales, and other open channel stabilization
 - _____ b. Culvert and storm-drain outfall stabilization
 - _____ c. Earthen slope and embankment stabilization
 - _____ d. Disturbed area stabilization
 - _____ e. Gravel roads and drives stabilization
 - _____ 2. General Standard
 - _____ a. Calculations for sizing BMP
 - _____ b. Impervious area calculation
 - _____ c. Developed area calculation
 - _____ d. Summary spreadsheet of calculations
 - _____ 3. Phosphorus control plan
 - _____ a. Calculations for the site's allowable phosphorus export
 - _____ b. Calculations for determining the developed site's phosphorus export
 - _____ c. Calculations for determining any phosphorus compensation fees
 - _____ 4. Offset Credits
 - _____ a. Urban impaired stream
 - _____ Offset credit calculation
 - _____ b. Phosphorus credit determination
 - _____ i. Location map
 - _____ ii. Scaled plan
 - _____ iii. Title and right
 - _____ iv. Demolition plan
 - _____ v. Vegetation plan
 - _____ vi. Offset credit calculation
 - _____ vii. Calculation for the new allowable export
 - _____ 5. Runoff treatment measures
 - _____ a. structural measures
 - _____ i. Design drawings and specifications
 - _____ ii. Design calculations
 - _____ iii. Maintenance plan
 - _____ iv. TSS removal or phosphorus treatment factor determinations
 - _____ v. Stabilization plan
 - _____ b. Vegetated buffers
 - _____ i. Soil survey
 - _____ ii. Buffer plan
 - _____ iii. Turnout and level spreader designs
 - _____ iv. Deed restrictions
 - _____ 6. Control plan for thermal impacts to coldwater fisheries
 - _____ 7. Control plan for other pollutants
 - _____ 8. Engineering inspection of stormwater management facilities
- _____ G. Maintenance of common facilities or property
 - _____ 1. Components of the maintenance plan
 - _____ A. Maintenance of facilities by owner or operator
 - _____ 1. Site owner or operator (name legally responsible party)
 - _____ 2. Contact person responsible for maintenance
 - _____ 3. Transfer mechanism

- _____ 4. List of facilities to be maintained
- _____ 5. List of inspection and maintenance tasks for each facility
- _____ 6. Identifications of any deed covenants, easements, or restrictions
- _____ 7. Sample maintenance log
- _____ 8. Copies of any third-party maintenance contracts
- _____ B. Maintenance of facilities by homeowner's association
- _____ 1. Incorporation documents for the association
- _____ 2. Membership criteria
- _____ 3. Association officer responsible for maintenance
- _____ 4. Establishment of fee assessment for maintenance work
- _____ 5. Establishment of lien system
- _____ 6. Reference to department order(s) in association charter
- _____ 7. Transfer mechanism from developer to association
- _____ 8. List of facilities to be maintained
- _____ 9. Identification of any deed covenants, easements, or restrictions
- _____ 10. Renewal of covenants and leases
- _____ 11. List of inspection and maintenance tasks for each facility
- _____ 12. Sample maintenance log
- _____ 13. Copies of any third-party maintenance contracts
- _____ C. Maintenance of facilities by municipality or municipal district
- _____ 1. Identification of the municipal department or utility district
- _____ 2. Contact person responsible for maintenance
- _____ 3. Evidence of acceptance of maintenance responsibility
- _____ 4. Transfer mechanism from developer
- _____ 5. List of facilities to be maintained
- _____ 6. List of inspection and maintenance tasks for each facility
- _____ 7. Identifications of any deed covenants, easements, or restrictions
- _____ 8. Sample maintenance log
- _____ 2. General inspection and maintenance requirements
- _____ a. Drainage easements
- _____ b. Ditches, culverts, and catch-basin systems
- _____ c. Roadways and parking surfaces
- _____ d. Stormwater detention and retention facilities
- _____ 1. Embankment inspection and maintenance
- _____ 2. Outlet inspection and clean-out
- _____ 3. Spillway maintenance
- _____ 4. Sediment removal and disposal
- _____ e. Stormwater infiltration facilities
- _____ 1. Sediment protection plan
- _____ 2. Infiltration rehabilitation plan
- _____ 3. Sediment removal and disposal
- _____ 4. Groundwater monitoring plan
- _____ f. Proprietary treatment devices
- _____ g. Buffers
- _____ h. Other practices and measures

_____ **Section 13. Urban Impaired Stream Submissions**

- _____ 1. Off-site credits
- _____ 2. Compensation fees (Urban Impaired Stream/Phosphorus)
- _____ 3. Development impacts

_____ **Section 14. Basic Standards**

- _____ A. Narrative
- _____ 1. Soil types
- _____ 2. Existing erosion problems
- _____ 3. Critical areas
- _____ 4. Protected natural resources
- _____ 5. Erosion control measures

- _____ 6. Site stabilization
- _____ B. Implementation schedule
- _____ C. Erosion and sediment control plan
 - _____ 1. Pre-development and post-development contours
 - _____ 2. Plan scale and elements
 - _____ 3. Land cover types and boundaries
 - _____ 4. Existing erosion problems
 - _____ 5. Critical areas
 - _____ 6. Protected natural resources
 - _____ 7. Locations (general)
 - _____ 8. Locations of controls
 - _____ 9. Disturbed areas
 - _____ 10. Stabilized construction entrance
- _____ D. Details and specifications (for both temporary and permanent measures)
- _____ E. Design calculations
- _____ F. Stabilization plan
 - _____ 1. Temporary seeding
 - _____ 2. Permanent seeding
 - _____ 3. Sodding
 - _____ 4. Temporary mulching
 - _____ 5. Permanent mulching
- _____ G. Winter construction plan
 - _____ 1. Dormant seeding
 - _____ 2. Winter mulching
- _____ H. Third-party inspections
 - _____ 1. Inspector's name, address, and telephone number
 - _____ 2. Inspector's qualifications
 - _____ 3. Inspection schedule
 - _____ 4. Contractor contact
 - _____ 5. Reporting protocol

_____ **Section 15. Groundwater**

- _____ A. Narrative
 - _____ 1. Location and maps
 - _____ 2. Quantity
 - _____ 3. Sources
 - _____ 4. Measures to prevent degradation
- _____ B. Groundwater protection plan
- _____ C. Monitoring plan
 - _____ 1. Monitoring points
 - _____ 2. Monitoring frequency
 - _____ 3. Background conditions
 - _____ 4. Monitoring parameters
 - _____ 5. Personnel qualifications
 - _____ 6. Proof of training
 - _____ 7. Equipment and methods
 - _____ 8. Quality assurance/quality control
 - _____ 9. Reporting requirements
 - _____ 10. Remedial action plan
- _____ D. Monitoring well installation report
 - _____ 1. Well location map
 - _____ 2. Elevation data
 - _____ 3. Well installation data
 - _____ 4. Well construction details
 - _____ 5. Borehole logs
 - _____ 6. Summary of depth measurements
 - _____ 7. Characteristics of subsurface strata
 - _____ 8. Well installation contract

- _____ 9. Schematic cross-sections
- _____ 10. Monitoring point summary table
- _____ 11. Protective casing
- _____ 12. On-site well identification

Section 16. Water supply

- _____ A. Water supply method
 - _____ 1. Individual wells (evidence of sufficient/healthful supply)
 - _____ a. Support of findings by well drillers
 - _____ b. Support of findings by geologist
 - _____ 2. Common well(s) (reports)
 - _____ a. Hydrogeology report
 - _____ b. Engineering report
 - _____ c. Well installation report
 - _____ d. Long-term safe yield and zone of influence determination
 - _____ e. Public water supply
 - _____ i. Proposed well or wells
 - _____ ii. Existing well or wells
 - _____ iii. Water quality analysis
 - _____ 3. Well construction in shallow-to-bedrock areas
 - _____ 4. Additional information
 - _____ 5. Off-site utility company or public agency
 - _____ 6. Other sources
- _____ B. Subsurface wastewater disposal systems (locations of systems and wells)
- _____ C. Total usage (statement re: total anticipated water usage)

Section 17. Wastewater disposal

- _____ A. On-site subsurface wastewater disposal systems (investigation results)
 - _____ 1. Site plan
 - _____ 2. Soil conditions summary table
 - _____ 3. Logs of subsurface explorations
 - _____ 4. Additional test pits, borings or probes
 - _____ a. Soil conditions A
 - _____ b. Soils with Profiles 8 and 9 parent material
 - _____ c. Soil conditions D
 - _____ d. Disposal field length 60 feet or greater
 - _____ 5. 3-bedroom design
 - _____ 6. Larger disposal systems
 - _____ a. System design details
 - _____ b. Plan view
 - _____ c. Cross sections
 - _____ d. Test pit data
 - _____ e. Mounding analysis
- _____ B. Nitrate-nitrogen impact assessment
 - _____ 1. When required
 - _____ a. Exempted_____
 - _____ i. Conventional systems meeting certain setbacks
 - _____ ii. Denitrification systems
 - _____ b. Special conditions and other exemptions
 - _____ 2. Assumptions
 - _____ a. Initial concentration
 - _____ b. Background concentration
 - _____ c. Contribution from development
 - _____ d. Mixing and dilution
 - _____ e. Severe-drought scenario
 - _____ f. Wastewater flow to subsurface wastewater disposal fields

- _____ 3. Assessment report minimum requirements
 - _____ a. Narrative and calculations
 - _____ b. Site plan
 - _____ i. Well locations
 - _____ ii. 10 mg/l and 8 mg/l isocons
 - _____ iii. Groundwater contours and groundwater flow divides
 - _____ c. References
- _____ 4. Denitrification systems
 - _____ a. Design plans and specifications
 - _____ b. Installation information
 - _____ c. Monitoring plan
 - _____ d. Maintenance
 - _____ e. Backup system
- _____ D. Municipal facility or utility company letter
- _____ E. Storage or treatment lagoons

- _____ **Section 18. Solid waste** (list: type, quantity, method of collection and location)
 - _____ A. Commercial solid waste facility (final disposal location)
 - _____ B. Off-site disposal of construction/demolition debris (final disposal location)
 - _____ C. On-site disposal of woodwaste/land clearing debris
 - _____ 1. Applicability of rules (evidence re: applicability of rules)
 - _____ 2. Burning of wood wastes
 - _____ a. Delineation on site plan
 - _____ b. Plans for handling unburned woodwaste and woodash
 - _____ c. Evidence of capacity to accept waste (approved facility)
 - _____ d. Usage of materials
 - _____ e. Data on mixing ratios and application rates
 - _____ D. Special or Hazardous Waste

- _____ **Section 19. Flooding**
 - _____ A. Explanation of flooding impact
 - _____ B. Site plan showing 100-year flood elevation
 - _____ C. Hydrology analysis
 - _____ D. FEMA flood zone map with site boundaries

- _____ **Section 20. Blasting**
 - _____ A. Site Plan or map
 - _____ B. Report
 - _____ 1. Assessment
 - _____ 2. Blasting plan

- _____ **Section 21. Air emissions** (narrative and summary)
 - _____ A. Point and non-point sources identified
 - _____ B. Emission components (point sources)

- _____ **Section 22. Odors**
 - _____ A. Identification of nature/source
 - _____ B. Estimate of areas affected
 - _____ C. Methods of control)

_____ **Section 23. Water vapor** (narrative)

_____ **Section 24. Sunlight** (statement and drawing, if required)

- _____ **Section 25. Notices**
 - _____ A. Evidence that notice sent
 - _____ B. List of abutters for purposes of notice

Supplemental requirements for Wind Energy Developments only:

Section 26. Shadow flicker

_____ A. A copy of the Windpro Analysis and associated narrative

Section 27. Public Safety

_____ A. Design safety certifications or other documents attesting to the safety of the wind turbine equipment.

_____ B. Evidence pertaining to overspeed controls

_____ C. Site plan documenting safety setbacks zones for each wind turbine

_____ D. Other documents as necessary to demonstrate safety considerations

Section 28. Tangible Benefits

_____ A. Narrative demonstration of tangible benefits

Section 29. Decommissioning

_____ A. Description of implementation trigger for decommissioning

_____ B. Description of extent of decommissioning

_____ C. Itemization of total cost to complete decommissioning

_____ D. Demonstration of financial assurance for completeness of decommissioning plan

Section 30. Generating Facility-visual Quality and Scenic Character

_____ A. (narrative, description, visual impact analysis)