FACILITY FILE: VOLUSIA COUNTY
TOMOKA FARMS
27540

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOHNS RIVER DISTRICT
3319 MAGUIRE BOULEVARD
SUITE 232
ORLANDO, FLORIDA 32803-3767

June 26, 1986

OSJ-SW-86-0167

Duke Woodson
Director of Resource
Management
St. John's River Water
Management District
P.O. Box 1429
Palataka, FL 32077

Volusia County - SW
Tomoka Farms Road Landfill - Class I
Application No. 121811

Dear Sir:

Please find enclosed a copy of Solid Waste Resource Recovery and Management Facility application submitted to our office on June 25, 1986. Please review the subject application and attached supporting documents and send us your comments as soon as possible.

Thank you for your cooperation.

Sincerely,

Juanitta Bader Clem

Juanitta Bader Clem
Solid Waste Section

JBC/sy
CMC

cc: John Reese, DER
John Armstrong, DER
Heather Nixon

Enclosures

RECEIVED
JUN 1 1986
EA, SOLID WASTE

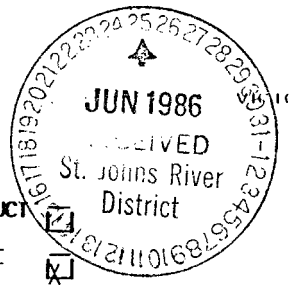
STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIRSTONE ROAD
TALLAHASSEE, FLORIDA 32301-8241

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY



APPLICATION FOR PERMIT TO CONSTRUCT [X]
OPERATE [X]

A SOLID WASTE RESOURCE RECOVERY AND MANAGEMENT FACILITY

GENERAL REQUIREMENTS

Solid Waste Resource Recovery and Management Facilities shall be permitted pursuant to Section 403.707, Florida Statutes, and in accordance with Florida Administrative Code Rule 17-7. A minimum of six copies of the application shall be submitted to the Department District Office having jurisdiction over the facility. Complete appropriate sections for the type of facility for which application is made. Entries should be typed or printed in ink. All blanks should be filled in or marked not applicable. The application shall include all information, drawings, and reports necessary to evaluate the facility. Information required to support the application is listed on the attached pages of this form.

Facility Type: Existing X Proposed ____

Sanitary Landfill:
X Class I,
__ Class II,
__ Class III: Trash/yard Trash
__ Class III: Yard Trash Composting

Volume Reduction:
__ Composting
__ Shredder
__ Incinerator/Trench Burner
__ Resource Recovery:
__ Energy __Materials

Sludge Landspreading:
__ Grade I
__ Grade II
__ Grade III
__ Septage/Food Service

FACILITY NAME: Tomoka Farms Road Landfill / (DER ID Number)

FACILITY LOCATION (main entrance): Tomoka Farms Road

S 3,4,9,10 (section), T 16S (township), R 32E (range) / Latitude 29 ° 08 ' 00 " Longitude 81 ° 05 ' 30 "

Applicant Name (operating authority): County of Volusia, Public Works Department

Street Address & P. O. Box: 136 North Florida Avenue, DeLand, Florida 32720
(City, County, Zip)

Contact Person: James L. Griffin (904) 257-6000
(Name, Phone Number)

~~XXXXXXXXXXXX~~/Consultant: Briley, Wild & Associates, Inc. (904) 672-5660
(Name, Phone Number)

Contact Person: Lee Powell 1042 N. U.S. Highway 1, P.O. Box 607 (904) 672-5660
(Name, Street, P. O. Box, Phone Number)

Ormond Beach Volusia Florida 32074
(City, County, State, Zip)

Landowner (if different than applicant): N/A

Address of Landowner: N/A
(Street, P. O. Box, City, State, Zip)

Cities, Towns and Areas to be Served: Volusia County (eastern half)

Current and Projected Population to Served: 205335 (1986) 367379 (1992)

Acres within Waste Site Boundary: 112 Acres within Property Boundary: 846

Volume of Solid Waste to be received: 2564 cu. yds/day ~~tons/day gallons/day~~ XXXXXXXXXXXXXXXX

Date Site Ready to Received Solid Waste: Existing Estimated Life of Facility 6 years

Estimated Cost of Construction, Total: $ Existing Estimated cost of Closing: $ 1,870,000

Anticipated Construction Starting and Completion Dates
From: N/A To: N/A

SOLID WASTE DISPOSAL FACILITY DATA FORM

Date Form Completed: May 1986

Permit No.: _____ Issue Date: _____ Expires: _____

DER ACTION: ___ Add ___ Delete ___ Change ___ Deactivate Site

1. DER IDENTIFICATION NUMBER	2. SITE NAME: Tomoka Farms Road Landfill
3. COUNTY: Volusia	4. FACILITY ADDRESS (Road, cross road, street): Tomoka Farms Road
4a. Facility Phone Number: (904) 255-4824	4b. Facility Site Supervisor: Wayne Cribbs
5a. 29 ° 08 ' 00 " Latitude; 81 ° 05 ' 30 " Longitude	5b. 16S Township; 32E Range; 3, 4, 9, 10 Section
6. Operating Authority Name: County of Volusia	8. Operating Authority Address: 136 Nroth Florida Avenue, DeLand, Florida 32720
7. Phone Number: (904) 257-6000	
9. Owner of Site Property (if different from operator): Same as above	11. Address of Owner: Same as above
10. Phone Number of Owner: Same as above	

12. Facility Type
- X Class I, Sanitary Landfill
- __ Class II, Sanitary Landfill
- __ Class III, Trash/Yard Trash
- __ Class III Yard trash comp.

Sludge Landspreading:
- __ Grade I
- __ Grade II
- __ Grade III
- __ Septage

Type
- __ Other Facility

13. Month Year Begun: 1970	14. Disposal Area: 112 Acres	15. Population Served: 205,335
16. Expected Useful Lifetime: 28 Years	17. Weighing Scales: X Yes __ No	18. Security to Prevent Unauthorized Used: X Yes __ No
19. Depth of Water Table: 7 Ft. (NGVD)	20. Quantity of Waste/Day: tons or 2564 Yd^3	21. Charge: $ 10 ~~¢~~/ton

22. Surrounding Land Use Zoning
__ Residential __ None X Agricultural __ Commercial __ Industrial __ Other

23. Types of Waste Received

X Residential	X Agricultural	X Yard Trash/Trash	__ Other: _____
X Commercial	X Septic Tank	X Sewage Sludge	
__ Incinerator Residue	__ Industrial	__ Industrial Sludge	
__ Pathological/Infectious	X Water/Air Treat Sludge	__ Hospital	

24. Number of Monitoring Wells: 13

25. Number of Surface Monitoring Points: 3

26. Gas Control / Recovery: __ Yes X No / __ Yes X No	27. Salvaging Permitted: __ Yes X No	28. Attendant: X Yes __ No

29. Leachate Control Method - Liner Type: X Natural __ Emplaced Clay X Synthetic __ None __ Other_____			
Collection Mehtod: __ Well Point XX Perimeter Ditch __ None __ Under Site Drains __ Other_____			
Treatment Method: __ Oxidation __ Recirculated __ Chemical __ Advanced X None __ Other_____			
30. Leachate Discharge __ Yes X No		Class of Receiving Water III	
31. Site Located in __ Floodplain __ Wetlands X Other: Flatwoods			
32. Surface Runoff Collected X Yes __ No	Type of Runoff Treatment Detention	Class of Receiving Waters III	
33. Property Recoreded as a Solid waste Disposal Site in County Land Records X Yes __ No			
34. Days of Operation 7	Days of Cover 7	Hours of Operation see below	
35. Name, Title and Phone Number of Person Completing Form Lee A. Powell, P.E. (904) 672-5660			

NOTE: All blanks must be filled or marked as not applicable.

Hours of Operation:

Monday - Friday 7:00 a.m. - 5:00 p.m.
Saturday, Sunday 8:00 a.m. - 2:00 p.m.

SOLID WASTE VOLUME REDUCTION AND RESOURCE RECOVERY FACILITY DATA FORM

Permit No.: _____ Issue Date: _____ Expires: _____

Facility No. (DER Identification): _____

DER ACTION: ☐ Add ☐ Delete ☐ Change ☐ Deactivate Site ☐ Other

1. County	2. Site Name
3. Date Form Completed	4. Facility Address
4a. Facility Phone No.	4b. Facility Site Supervisor
5a. ° ' " ° ' " Latitude Longitude	5b. Township Range Section
6. Operating Authority Name	8. Operating Authority Address
7. Phone Number	
9. Owner of Site Property (if different from Operator)	11. Address of Owner
10. Phone Number of Owner	

12. Facility Type (check one or more)
☐ Incinerator Only ☐ Biomass Gas Production ☐ Pyrolysis ☐ Other:
☐ Sludge Concentration ☐ Baler (compactor) ☐ Composting Plant
☐ Transfer Station ☐ Waterwall Incinerator ☐ Shredder (pulverizer)

13. Month/Year Begun	14. Disposal Area Acres	15. Population Served
16. Expected Useful Lifetime Years	17. Weighing Scales ☐ Yes ☐ No	18. Waste Processed Per Operational Day tons/gal/yd
19. Charge/_____	20. Days Operated S M T W T F S	21. Hours/Day Operated

22. Maximum Processing Rate _____ tons/day

23. Material Recovered, Tons/Week
_____ Paper _____ Glass Other:
_____ Ferrous Metals _____ Non-Ferrous Metals
_____ Aluminum _____ Plastics

24. Energy Recovery, in units shown
_____ High Pressure Steam-lb/hr _____ Chilled Water-gal/hr _____ Gas-ft^3/hr
_____ Low Pressure Steam-lb/hr _____ Oil-gal/hr _____ Gas-BTU/hr
_____ Electricity-kw/hr _____ Oil-BTU/hr Other:

25. Process Water Recycled ☐ Yes ☐ No	Treatment Method Used
Discharged to: ☐ Surface Waters ☐ Underground	Class Receiving Water
26. Final Residue is _____ % of waste intake	Residue is disposed of at (Site Name)

27. Supplementary Fuel Used

Type	Quantity Used/Hour

28. Estimated Operating Costs Material – Energy Revenue $	Total Cost/Ton $	Net Cost/Ton $

29. Number of Staff	30. State Pollution Control Bond Financing Amount $	31. Estimated Amount of Tax Exemptions that will be Requested $

32. Name and Title of Person Completing Form

Note: All blanks must be filled or marked as not applicable.

CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER

A. Applicant

The undersigned applicant or authorized representative of County of Volusia is aware that statements made in this form and attached information are an application for a

Permit from the Florida Department of Environmental Regulation and certifies that the information in this application is true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to comply with the provisions of Chapter 403, Florida Statutes, and all rules and regulations of the Department. It is understood that the Permit is not transferable, and, the Department will be notified prior to the sale or legal transfer of the permitted facility.

Thomas M. McClelland

Signature of Applicant or Agent

Thomas M. McClelland, Director of Public Works

Name and Title

Date: June 23, 1986

Attach letter of authorization if agent is not a governmental official, owner, or corporate officer.

B. Professional Engineer Registered in Florida or Public Officer as Required in Section 403.707 and 403.7075, Florida Statutes

This is to certify that the engineering features of this resource reocvery and management facility have been designed/examined by me and found to conform to engineering principals applicable to such facilities. In my professional judgement, this facility, when properly maintained and operated, will comply with all applicable statutes of the State of Florida and rules of the Department. It is agreed that the undersigned will provide the applicant with a set of instructions of proper maintenance and operation of the facility.

Lee A. Powell

Signature

Lee A. Powell

Name and title (please type)

35992

Florida Registration Number

(please affix seal)

P.O. Box 607

Mailing Address

Ormond Beach, FL 32074

City, State, Zip Code

(904) 672-5660

Telephone Number

Date: 13 Jun 86

Construction Cost Estimate: _____

Permit Number: _____ Issue Date: _____

Review Date: _____ Expiration Date: _____

Operating Permit Renewal Application

for

Tomoka Farms Road Landfill

VOLUSIA COUNTY

FLORIDA

JUNE 1986

Briley, Wild & Associates, Inc.

TABLE OF CONTENTS

APPENDICES

Introduction

Volusia County was issued a permit from the Florida Department of Environmental Regulation to operate the Tomoka Farms Road Landfill on August 5, 1981. This permit was issued based on a permit application, including a design report, a hydrogeological investigation, and a set of drawings. The landfill has been constructed and operated in accordance with that permit. It is the intention of the County to continue operating the landfill within the present active area until the final topography is achieved. The information submitted remains valid except as noted. Additional information is included in this report to reflect changes at the site and changes in the State regulations.

Service Area

The Tomoka Farms Road Landfill serves the eastern portion of Volusia County. The western portion of the County is presently served by the Plymouth Avenue Landfill in DeLand. The Plymouth Avenue Landfill permit expires in 1988. For the purposes of this report it was assumed that after that time all Class I landfill material will be taken to the Tomoka Farms Road Facility. It is expected that the Plymouth Avenue facility will be maintained as a Class III landfill

The Volusia Council of Governments has prepared population projections for Volusia County based on the U.S. Census and the University of Florida projections. These projections were prepared for the years 1990, 1995, 2000, 2010, and 2020. Using these projections and best fit interpolation between values the projected service area population is shown in Table 1.

TABLE 1

SERVICE AREA POPULATION PROJECTION

Year	Population
1986	205,335
1987	207,840
1988	210,168
1989	342,547
1990	351,300
1991	359,265
1992	367,379
1993	375,337
1994	383,143
1995	390,100
1996	398,314
1997	405,687
1998	412,923
1999	420,027
2000	427,200
2001	433,846
2002	440,569
2003	447,170
2004	453,652
2005	460,018
2006	466,271
2007	472,412
2008	478,444
2009	484,369
2010	491,100
2011	495,906
2012	501,522
2013	507,038
2014	512,456
2015	517,778
2016	523,006
2017	528,140
2018	533,183
2019	538,136
2020	542,800

Wasteload Projection

In February of 1980 the site was flown to provide topographic mapping. In February of 1986 similar aerial mapping was performed. The difference in volume between the two topographic maps represents the landfill capacity consumed in the intervening six years, including compacted refuse and cover material. This number was found to be 2,368,672 cu. yd.

To determine the annual per capita landfill capacity consumed it was necessary to determine the service area population during the six year period. At the start of the period, Port Orange and Ormond Beach had waste disposal facilities serving all or portions of those communities and Holly Hill. By the end of the period both of these facilities had closed. The changing service area population was estimated on a monthly basis as shown in Table 2. The total population loading on the landfill for the six year period was found to be 929,777 capita-years.

Dividing the total volume consumed by the population loading produces a total in-place landfill loading of 2.55 cu. yd/capita/year.

The 1980 Design Report estimated the in-place solid waste loading to be 2.22 cu. yd./capita/year, with an additional 20% allowance for cover material the total loading was estimated to be 2.66. This estimate was very close to the actual measured loading of 2.55.

Multiplying 2.55 cu/c/yr times the projected service population produces the waste generation projections shown in Table 3.

TABLE 2

SERVICE AREA POPULATION

Year	Month	Service Area Population	Capita- Months
1980	11	136,287	1,499,157
1981	12	138,901	1,666,812
1982	12	140,164	1,681,968
1983	10	141,250	1,412,500
1983	2	151,868	303,736
1984	9	153,597	1,382,373
1984	1	178,696	178,696
1984	2	197,488	394,976
1985	12	202,648	2,431,776
1986	1	205,335	205,335
Total	72		11,157,329

= 927,777 capita - years

TABLE 3

TOMOKA FARMS RD LANDFILL WASTE LOADING

YEAR	POP	WASTE LOAD CU YD/YR(1)	CUM WASTE CU YD	ELEV. (2)
1986	205,335	523,111	523,111	53.0
1987	207,840	529,493	1,052,605	57.0
1988	210,168	535,424	1,588,029	61.0
1989	342,547	872,672	2,460,701	68.0
1990	351,300	894,972	3,355,673	77.0
1991	359,265	915,263	4,270,936	86.0
1992	367,379	935,936	5,206,872	97.0
1993	375,337	956,209	6,163,080	111.0
1994	383,143	976,094	7,139,174	128.0
1995	390,100	993,819	8,132,993	155.0
1996	398,314	1,014,743	9,147,737	0.0
1997	405,687	1,033,528	10,181,264	0.0
1998	412,923	1,051,963	11,233,227	0.0
1999	420,027	1,070,060	12,303,287	0.0
2000	427,200	1,088,335	13,391,622	0.0
2001	433,846	1,105,267	14,496,889	0.0
2002	440,569	1,122,392	15,619,281	0.0
2003	447,170	1,139,209	16,758,491	0.0
2004	453,652	1,155,724	17,914,214	0.0
2005	460,018	1,171,943	19,086,157	0.0
2006	466,271	1,187,872	20,274,029	0.0
2007	472,412	1,203,517	21,477,546	0.0
2008	478,444	1,218,885	22,696,431	0.0
2009	484,369	1,233,979	23,930,410	0.0
2010	491,100	1,251,126	25,181,536	0.0
2011	495,906	1,263,370	26,444,907	0.0
2012	501,522	1,277,677	27,722,584	0.0
2013	507,038	1,291,730	29,014,313	0.0
2014	512,456	1,305,533	30,319,846	0.0
2015	517,778	1,319,092	31,638,938	0.0
2016	523,006	1,332,410	32,971,348	0.0
2017	528,140	1,345,491	34,316,839	0.0
2018	533,183	1,358,338	35,675,177	0.0
2019	538,136	1,370,956	37,046,132	0.0
2020	542,800	1,382,837	38,428,970	0.0

(1) Includes cover material
(2) Existing developed site can not be filled above elev. 182 with existing boundaries and proposed side slopes.

Anticipated Life of Site

Portions of the site have been filled to elevation 75.0. Using the waste generation projections previously discussed the site could be filled to elevation 75.0 with four on one side slopes by the year 1990. By continuing to fill to elevation 100, the site may be kept in service to 1992.

Cover Material

Cover material has been taken from a borrow pit located on site immediately north of the landfill. The material in the borrow pit is a silty sand with low permeability. This pit will continue to provide cover material for the remainder of the planning period.

Leachate Control

The existing soils, as reported in the Design Report, have a low permeability with no apparent hydraulic connection to the Floridan aquifer. Plastic liners previously installed also serve to restrict the downward movement of leachate. Leachate formed by rainwater penetrating the fill is allowed to percolate into a system of internal drainage ditches. The water collected in these ditches, including leachate and on-site runoff, is pumped to a series of four ponds on the southern side of the fill. The effluent from the last pond flows to a vegitated holding area. Water from the holding area is taken to the external ditch where it is allowed to evaporate. During extreme rainfall events the external ditch may be pumped under an existing EPA discharge permit. The landfill also has a permit (IO 64-39230) from the FDER to discharge effluent from the landfill runoff and surface dewatering system.

Experience has indicated that discharge from the ditch is a rare event. A water balance was performed on the site to assist in estimating the quantity of leachate that could be expected. The balance, shown in Appendix A, confirms that potential evapotranspiration is very high and that external discharges would be required only during extended rainy seasons. It is anticipated that the new holding ponds will make it possible to further reduce the incidence of discharge.

Surface Water Management

The landfill is isolated from the surrounding land by a ditch system. The landfill is also at a higher elevation than surrounding areas, therefore surface waters from off the site do not flow onto the waste filled areas. The site has complied with all permit requirements of the St. Johns River Water Management District.

Surface water runoff from within the landfill site is collected in the internal drainage ditches and is treated along with the leachate in the ponds.

Ground Water Monitoring

The County has been monitoring ground water quality under the existing permit. The results have been submittd to FDER for review. There does not appear to be a problem of leachate contamination of surrounding ground waters.

A hydrogeologic investigation of the soils in the borrow pit and the area west of the landfill is presently in progress. Included in that investigation is a survey of the results and effectiveness of the present groundwater monitoring program. When that investigation is completed recommendations will be made to either retain the present monitoring system or modify it. At the present time no change in groundwater monitoring is proposed.

Site Operation

The landfill is operated as described in the Design Report. The operating staff is as follows:

1	Foremen
15	Equipment Operators
2	Mechanics
4	Clerical
3	Maintenance
26	Total

Equipment available at the site includes:

- 1 3 CY Hydraulic Excavator
- 1 2-1/2 CY Dragline
- 2 Compactors
- 1 Loader
- 1 23 CY Pan
- 3 Dozers
- 1 Service Truck
- 2 Mechanical Trucks
- 2 Pickup Trucks
- 2 17 CY Four Wheeled End Dump Trucks

Closure

In accordance with the requirements of Chapter 17-7, a closure schedule will be submitted to the DER one year prior to cessation of waste acceptance. The proposed final configuration of the landfill is shown on the plans accompanying this application. Minimum side slopes are 4:1 with 12-feet wide terraces located after every 12-feet of rise. Final cover shall include 18 inches of compacted material taken from the borrow pit and 6 inches of topsoil to provide a root zone for the final vegetative cover. Much of this cover will be placed prior to the time of closure as individual portions of the landfill are completed.

APPENDIX

A

APPENDIX A

1. Normal average monthly temperature at Daytona Beach, from National Oceanic and Atmospheric Administration (NOAA) 1984 Annual Summary of Climatological Data.

2. Heat Index from TABLE 1, Thornthwaite & Mather.

3. Unadjusted Daily Potential Evapotranspiration in inches from TABLE 3 and 5, Thornthwaite & Mather.

4. Mean Possible Monthly Duration of Sunlight in Units of 12 hours from TABLE 6, Thornthwaite & Mather.

5. Adjusted Potential Evapotranspiration in inches, calculated by multiplying Line 3 by Line 4.

6. Normal average monthly precipitation in inches at Daytona Beach, from NOAA 1984 Annual Summary of Climatological Data.

7. Runoff in inches, calculated by multiplying Line 6 by 0.075.

8. Infiltration in inches, calculated by subtracting Line 7 from Line 6.

9. Infiltration less the Potential Evapotranspiration in inches, calculated by subtracting Line 5 from Line 8.

10. Accumulated Potential Water Loss in inches, calculated by accumulating the negative values on Line 9.

11. Moisture retained in the soil after a given amount of accumulated potential water loss has occurred, in inches, from TABLE 16, Thornthwaite & Mather.

12. Change in soil moisture in inches, calculated by comparing the values in Line 11.

13. Actual Evapotranspiration in inches, calculated by adding Line 8 and the negative values on Line 12 and using that sum or the value on Line 5, whichever is less.

14. Percolation (leachate) in inches, calculated by subtracing Line 13 from Line 8 and subtracting any positive value on Line 12.

WATER BALANCE TOMOKA FARMS ROAD LANDFILL

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1. Temp F	57.9	58.8	64.1	69.6	75.1	79.2	81.1	80.8	79.5	73.2	65.2	59.5	70.3
2. Heat Index	4.95	5.22	6.85	8.71	10.71	12.29	13.05	12.97	12.41	10.01	7.22	5.43	109.82
3. Unadj PET	0.04	0.04	0.07	0.10	0.14	0.17	0.18	0.18	0.17	0.12	0.07	0.05	
4. Sunlight	27.3	26.4	30.9	32.1	35.1	34.8	35.4	33.9	30.9	29.4	27.0	27.0	
5. Adj PET	1.09	1.06	2.16	3.21	4.91	5.92	6.37	6.10	5.25	3.53	1.89	1.35	42.84
6. Precip	2.37	3.11	2.99	2.25	3.38	6.41	5.52	6.34	6.68	4.62	2.59	2.20	48.46
7. Runoff	0.18	0.23	0.22	0.17	0.25	0.48	0.41	0.48	0.50	0.35	0.19	0.17	3.63
8. Infiltration	2.19	2.88	2.77	2.08	3.13	5.93	5.11	5.86	6.18	4.27	2.40	2.03	44.83
9. Infil-Adj PET	1.10	1.82	0.16	-1.13	-1.78	0.01	-1.26	-0.24	0.93	0.74	0.51	0.68	
10. Acc Pot Wat Loss				-1.13	-2.91	-2.90	-4.16	-4.4					
11. Soil Moist	5.0	5.0	5.0	3.97	2.76	2.77	2.14	2.04	2.97	3.71	4.22	4.90	
12. Change in SM	0.10	0.0	0.0	-1.03	-1.21	0.01	-0.63	-0.10	0.93	0.74	0.51	0.68	
13. Actual ET	1.09	1.06	2.16	3.11	4.34	5.92	5.74	5.96	5.25	3.53	1.89	1.35	41.40
14. Percolation (in)	1.00	1.82	0.61	0	0	0	0	0	0	0	0	0	3.43