

JED Landfill

1501 Omni Way

St. Cloud, FL 34773

Odor Management Plan



Safety.
All day.
Every day.



Dan Jansen

Environmental Compliance Specialist

T: 407 891 3720 1501 Omni Way
F: 407 891 3730 St. Cloud, Florida 34773
C: 321 436 0074 dan.jansen@progressivewaste.com

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on recycled
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Bob Walls

Post Collections District Manager - Central Florida

T: 407 891 3720 1501 Omni Way
F: 407 891 3730 St. Cloud, Florida 34773
C: 321 316 7920 bob.walls@progressivewaste.com

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ODOR MANAGEMENT PLAN

Prepared for:

JED Landfill

*1501 Omni Way
St. Cloud, FL 34773*

Prepared by:
Daniel L. Jansen
Environmental Compliance Specialist

September 23, 2015

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INTRODUCTION

This Odor Management Plan (OMP) for the J.E.D. Landfill operations is designed by Progressive Waste Solutions to provide guidance in the identification, documentation, and mitigation of odors. The J.E.D Landfill is located at 1501 Omni Way, St. Cloud, FL 34773. Facility site plans are attached to show property boundaries and operations which may potentially be the source of odors. Additionally, maps of the area surrounding the facility that may be impacted by odors are available for review in Attachment C.

It is important that everyone at the facility participate in odor identification and mitigation. The OMP establishes responsibilities and procedures for collecting information pertinent to odor management and defines methods for responding to odor generation and complaints.

IDENTIFYING THE PRESENCE OF ODOR

The first step in the process of controlling odors is to determine if odors are present. These two methods of identifying odors and how they are implemented as part of this OMP are discussed in the following sections.

Odors identified by Progressive Waste Solutions personnel through self-inspection or on-the-job observations.

The primary objective of this OMP is to identify and mitigate odors from the facility before the odors can have an impact on the local community. This is accomplished through the use of regular self-inspections. The self-inspection should be performed on a regular frequency, and should have a consistent "route" through and around the facility.

Self-inspection at the facility will be performed on a monthly basis. The inspection will be performed by the General Manager, Site Manager, Operations Supervisor, Environmental

Manager, or their designees. The inspection will consist of one or more of these individuals touring the facility along a pre-planned and consistent route. The goal of this inspection is limited specifically to the identification of odors and their source.

The results of the monthly odor inspection will be documented in the **Monthly Odor Survey Form** (Attachment A). Any odors identified through self-inspection will be mitigated in accordance with the guidance for mitigation provided later in this OMP. All odors must be addressed. An odor crossing the property boundary requires urgent and immediate attention.

Odors identified by sources other than Progressive Waste Solutions personnel (regulatory agencies, off-site neighbors or businesses, community groups, elected officials, etc.)

These odors are often identified through an “odor complaint.” Odors identified by sources other than Republic require urgent and immediate attention. One of our goals as a company is to be a good neighbor and a contributor to the local community. Odors are a nuisance and will quickly erode our relationship with the local community if not responded to in an immediate and appropriate fashion. All odors brought to the attention of the facility management by individuals other than Progressive Waste Solutions employees must be immediately investigated and documented.

Upon receipt of an odor complaint, the following actions will be taken:

- The complaint will immediately be investigated by the Site Manager, Operations Manager or Environmental Manager.
- The investigation should include interviewing the complainant, completing the **Odor Review/Complaint Form** (Attachment B), and immediately visiting the location where the complaint was originated. If some time has elapsed since the occurrence of the odor, the complaint must still be investigated.

- All complaints, whether verbal or written, and documentation from the corresponding investigation must be reported immediately to the General Manager, Area Environmental Manager, Region Director (Engineering and Environmental), and the Corporate Compliance Director.

EQUIPMENT REQUIRED

The transmission of odor depends on a number of variables including atmospheric conditions. As a result, it is recommended that a facility with odor issues operate a weather station that records date, time, temperature, wind direction and speed, precipitation, relative humidity, and barometric pressure. If a weather station is not present, historical meteorological data (or “met data”) from an internet weather site (Weather Underground, AccuWeather, etc.) will be used to document atmospheric conditions. Met data is important and is used to assist in identifying the source of the odor, verifying odor complaints, and establishing seasonal weather patterns.

Met data collected can then be compared with the same date and time period of any odor complaint logged and investigated. The information from this date and time period will be correlated to the odor complaint and documented in the **Odor Review/Complaint Form** (Attachment B). Historical data used that was gathered from a web site must be from the closest weather reporting station to the facility, and must represent the date and time of the odor complaint as closely as possible.

IDENTIFYING THE SOURCE OF ODOR

Once the presence of odor is identified through either self-inspection or through an odor complaint, the source of the odor needs to be identified. The source of an odor may not be readily identifiable. If the source of the odor is not obvious and cannot be traced immediately

to an issue or activity at the facility, the following steps will be used to identify the source of the odor:

- Use data from the on-site weather station, or historical data from a weather related website. Determine the wind direction, speed, and barometer reading at the time the odor was identified.
- Using an aerial photograph or plan of the facility, draw a vector in the same direction as the wind, and intersect the location where the odor was identified. If the vector crosses the facility and the facility is in an upwind position compared to the location where the odor was identified, then determine the facility features and activities that lie along the vector. Compare the identified odor to any odors generated along the wind vector in an upwind position and determine the source of the odor.
- Repeat this process at varying times of the day, under varying operational conditions, and with varying wind directions until the source of the odor is identified.
- Odor identification by the “Odor Owners” at the facility is a powerful means of proactively identifying sources of odors. As any employee encounters an area where there is an odor, they should immediately stop and place some type of marker in that location. Small survey or “pin” flags work well for this, but rocks, wood stakes, etc. can also be effectively used. Once the marker is placed, the employee should immediately call the Site Manager and describe the odor, what was found at the odor site, and the location of the stake marking this apparent source of the odor.
- Facility management should make it a priority to follow-up with the employee, locate the marker that was placed, and determine exactly where the odor is being produced.
- Perhaps the single most effective way to identify sources of odors is to simply walk around the facility on a regular frequency. This is particularly helpful when the source of the odor can not be found. A visit to some of the typical features and components of the landfill can be hit during the walk to insure they are not the source. These include:
 - ✓ Permanent or interim cap/cover material – look for signs of erosion, moisture, trash/flagging, etc. Both landfill gas and leachate have associated odors.

- ✓ Open conduits sticking out of the cap – hollow grade poles, hollow survey markers, mattresses, tires, etc. all provide an unobstructed pathway for landfill gas to migrate to the atmosphere.
- ✓ Incoming putrescible wastes, carcasses and sludges – These types of wastes, as they enter the facility and at the working face, have the potential to produce very serious odors.
- ✓ Leachate collection and storage facilities – Leachate storage tank vents, leachate lift stations, uncovered clean-outs, open pump access ways, etc. can allow significant odors to enter the atmosphere. Odors can also escape from improperly sealed penetrations of leachate sump and cleanout risers, including wire and conduit penetrations.
- ✓ Ineffective landfill gas collection systems – Malfunctioning or non-functioning gas collection system, landfill gas wellheads that are not properly secured to the well, landfill gas well pneumatic pump exhaust, leaking, worn, or duct taped components in the wellfield, etc. all have the potential to release odors to the atmosphere.
- ✓ Poorly managed working face/daily cover placement – Typically, the smaller the working face, the fewer odors that should be generated. Improperly placed, thinly placed, poor cover type (some types of ADC), improperly placed and sealed tarps, not-covering, etc. will all provide potential sources for odors.
- ✓ Leachate seeps/improperly built and covered remediation drains – Shallow “French” or rock drains used to control leachate seeps too close to the surface, can provide a conduit for landfill gas and leachate odor to enter the atmosphere. Leachate seeps have an associated odor as well.
- ✓ Community convenience centers – Roll-off boxes or purpose built community convenience centers may store liquids that over time will produce an odor.

ODOR MITIGATION

Identifying the source of odor will assist in determining the best means of mitigating the odor. Stopping or preventing an odor from occurring is usually intuitive. Repair of a damaged component, placement of additional cover, removal of open conduits, etc. can easily be made with little time or expense. Other odor sources may take some additional work to address.

- If the odor originates from a specific waste stream, one or more of the following methods can be used to mitigate the odor:
 - ✓ Stop taking the objectionable waste stream
 - ✓ Require that the waste stream generator treat the objectionable waste stream to eliminate odors prior to delivery to the facility
 - ✓ Immediately cover objectionable waste streams upon delivery to the facility
 - ✓ Restrict the times when an objectionable waste stream can be delivered to the facility
 - ✓ Insure the waste is delivered in a sealed container, or is covered very well.
- If the odor originates from the permanent or interim cap, one or more of the following items can be used to assist with odor reduction (Environmental Manager, Operations Manager and Regional Engineer will assist with development of some of these solutions):
 - ✓ Place additional soil cover material in areas where odors are emanating for the cap
 - ✓ Expand or initially install a landfill gas collection system
 - ✓ Permanently cap areas at final grade
 - ✓ Insure the penetration boots for geosynthetic caps are not damaged and are functioning properly
 - ✓ Immediately remove all hollow conduits penetrating the cap and seal the remaining hole with hydrated granulated bentonite.

- ✓ Remove any exposed mattresses, tires, etc, and reinstall the cover material in those areas.
- ✓ Immediately repair any erosion rills, mower ruts, site vehicle ruts, cracks, leachate seeps, etc.
- If the odor originates from an installed component (leachate tank, gas system, convenience center, etc.) one or more of the following items can be used to assist with odor reduction (Environmental Manager, Operations Manager and Regional Engineer will assist with development of some of these solutions):
 - ✓ Insure public convenience center is properly drained, and any resulting leachate is contained and pumped to the existing leachate system.
 - ✓ Leachate tanks can be sealed and the odors controlled if odors emanating from the existing tank vents is an issue.
 - ✓ Remove all duct tape and immediately replace and repair any worn or damaged landfill gas components.
 - ✓ If the facility has a number of pneumatic pumps that are installed in leachate risers, sumps, or landfill gas wells, it is possible that the vent gas can have significant odors. The Environmental Manager, Operations Manager and the Regional Engineer for the facility can coordinate to have carbon filters installed for the vent gas. As an alternative to the filters, if the Environmental Manager, Operations Manager and the Regional Engineer feels that the resulting vent gas does will not overwhelm the gas system with oxygen, the vent can be piped to or terminated inside the well or sump casing.
 - ✓ Rock drains for leachate management in the landfill must be of sufficient depth to prevent landfill gas from entering the atmosphere. The facility Environmental Manager, Operations Manager and the Regional Engineer can assist you with a design that will prevent odors.
 - ✓ Most odors are due to an undersized, poorly operated, or damaged landfill gas collection system. The proper control of gas generated in the landfill is a complicated affair. Proper design, timely upgrades and expansion of the system,

and proper operation are all integral to preventing landfill gas odors. If gas odors are present, the Environmental Manager, Operations Manager and the Regional Engineer will need to ensure there is an adequate amount of collectors and that those collectors are properly managed. If odors are present at a site, it is likely that landfill gas control system operating or design improvements are necessary.

- ✓ Use odor masking or neutralizing agents at the facility. This option should only be used as a temporary solution while the root cause of the odor problem is being addressed. Experience has shown that the use of odor masking or neutralizing agents has proven to be extremely difficult in a landfill environment. By contrast, these agents can be effectively applied at transfer stations and may not be considered a last resort.

Keep in mind that if odors are detected through self-inspection, even if no complaints have been made by the local community, the odor must be mitigated. Self-inspection and mitigation are mandatory for J.E.D. Landfill. Waiting until the local community detects odors is not an option. If a mitigation method is found to be unsuccessful in controlling odor, alternate methods must be attempted, and/or outside experts must be contracted until a method is found that successfully mitigates the odor.

REQUIRED DOCUMENTATION

In order to successfully measure the effectiveness of odor remediation, trend the causes of odors, document complaint follow-up, and focus our efforts on the best possible solutions for odor management, proper documentation must be performed.

Site Operating Record

Whenever the monthly odor survey is performed or a complainant is interviewed, the appropriate document found should be completed and maintained on site as part of the

Permanent Operating Record (POR). In addition to maintaining these documents in the POR, all efforts to mitigate odors must be documented in detail. It is important to document all efforts taken to mitigate odors whether or not there have been complaints from the public.

In the event that a mitigation method is attempted and found to be ineffective, another mitigation method must be attempted and/or outside experts must be contacted until the facility is successful in controlling odor. The decision-making process in choosing a method to control odor should also be documented and will be made in conjunction with the facility Environmental Manager, Operations Manager and the Regional Engineer. In documenting mitigation efforts, the following information must be recorded:

- The reasoning used in selecting the mitigation process.
- The manner and extent to which the mitigation efforts are made.
- The results of the mitigation effort.

Recording these details may be done through memorandum to the file.

Training

In order for this program to work effectively, all employees at the landfill should be trained on the content and use of this OMP. This training should be provided to all employees and documented in the personnel training records. New employees should be trained immediately on the OMP.

The training should include a review of this plan and the attachments. Selected personnel may be required to complete the monthly odor inspections that are documented in the **Monthly Odor Survey Form** (Attachment A). These personnel should also be familiar with methods to mitigate any odors identified through self-inspection.

Additionally, facility personnel should be familiar with the procedures to discuss an odor complaint with an agency representative and/or neighbor. They must also be able to understand and document the information in the **Odor Review/Complaint Form** (Attachment B).

This Odor management Plan shall fulfill the requirements of Section **4.5.3. Monitoring for Objectionable Odors at the Property Boundary** in the June 2008 "Operation Plan".

From JED's Approved Operation Plan, June 2015

3.1.2.2.

At the end of each working day, initial cover material (e.g., soil or alternate material) will be applied. An excavator, loader and truck will be used to load and haul soil from the stockpile area to the working face where it will be temporarily stockpiled or spread directly over the waste.

3.1.4.1.

A minimum of a three-week supply of acceptable initial cover will be maintained at the landfill and be available at all times. All stockpiles will be graded to minimize erosion potential. Silt fences or diversion berms will be utilized to control erosion.

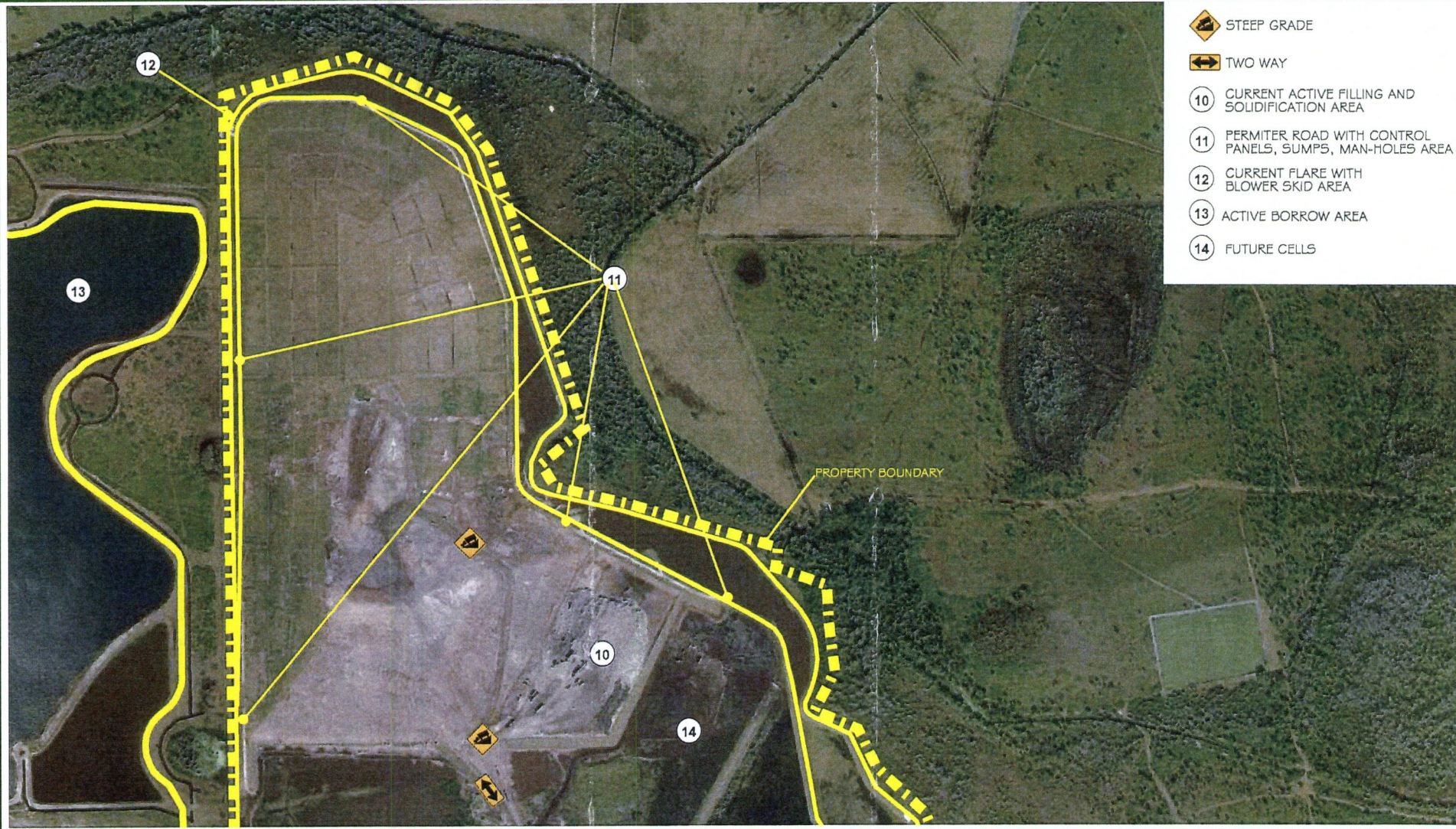
3.1.4.2.








A 6 in. (150 mm) thick initial earth cover will be placed on top of all exposed waste on the working face at the end of each day's operation unless additional waste is to be deposited on the working face within 18 hours. The initial cover may consist of alternative materials including tarps, processed tire chips, auto shredded residuals, mulch mixed with soil, and contaminated soils.

4.5.3 Monitoring for Objectionable Odors at the Property Boundary

Omni's on-site personnel will operate the facility to control objectionable odors and will perform monitoring for objectionable odors at the property boundary on a regular basis. It should be noted that no off-site occupied structures currently exist near the property boundary. Upon notification from the FDEP that objectionable odors have been confirmed beyond the property boundary, Omni will:

- Immediately take steps to reduce the objectionable odors. Such steps may include applying or increasing initial cover, reducing the size of the working face, and ceasing operations in the areas where odors have been detected;
- Submit to the Department for approval an odor remediation plan for the gas or odor releases. The plan shall describe the nature and extent of the problem and the proposed long-term remedy. The remedy shall be initiated within 30 days of approval;
- Implement a routine odor monitoring program to determine the timing and extent of any off-site odors, and to evaluate the effectiveness of the odor remediation plan.



-  STEEP GRADE
-  TWO WAY
-  CURRENT ACTIVE FILLING AND SOLIDIFICATION AREA
-  PERMITER ROAD WITH CONTROL PANELS, SUMPS, MAN-HOLES AREA
-  CURRENT FLARE WITH BLOWER SKID AREA
-  ACTIVE BORROW AREA
-  FUTURE CELLS

PROPERTY BOUNDARY

LANDFILL DISPOSAL AREA

JED Solid Waste Management Facility



SCALE: 1" = 100'
 DATE: MAY 2019
 © Kimley-Horn and Associates, Inc., 2019

Omni Waste of Osceola County, LLC
 Osceola County, Florida





LANDFILL INFRASTRUCTURE AREAS

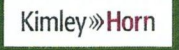
JED Solid Waste Management Facility

- STOP
- STEEP GRADE
- TWO WAY
- SPEED LIMIT 15
- SPEED BUMP
- WATER WELL
- LANDFILL GAS TO ENERGY PLANT AREA
- LEACHATE PONDS # LOAD OUT STATION AREA
- MAIN OFFICE
- SCALES
- PUBLIC DROP OFF AREA
- MAINTENANCE SHOP AREA
- TIRE AND CONTAINER STORAGE AREAS



SCALE: 1" = 100'
 DATE: MAY 2019
 © Kimley-Horn and Associates, Inc., 2019

Omni Waste of Osceola County, LLC
 Osceola County, Florida



ATTACHMENT A

MONTHLY ODOR SURVEY FORM

MONTHLY ODOR SURVEY FORM

Facility Name: J.E.D. Landfill

Date: 9-28-15

Time of Inspection: 6:20 a.m.

Name of Inspector: Daniel Jansen

Weather Conditions at Time of Inspection:

Temperature: 75°

Barometric Pressure: 29.89 in

Wind Direction: Calm

Wind Speed: —

Precipitation: N/A

Humidity: 94%

Were there any odor observations at facility perimeter?

Yes

No

If so, describe:

Were there any odor observations at or near the existing disposal area?

Yes

No

If so, describe:

If there were any odor observations, was the source of the odor identified?

Yes

No

If so, describe:

None on site or at the entrance.

MONTHLY ODOR SURVEY FORM

Facility Name: J.E.D. Landfill

Date: 10-2-15

Time of Inspection: 12:46 pm

Name of Inspector: Daniel Jansen

Weather Conditions at Time of Inspection:

Temperature: 85°

Barometric Pressure: ~~29.56~~ 29.56 in

Wind Direction: NNW

Wind Speed: 10 mph

Precipitation: 0

Humidity: 76%

Were there any odor observations at facility perimeter?

Yes

No

If so, describe:

Were there any odor observations at or near the existing disposal area?

Yes

No

If so, describe:

Slight trash odor at toe of the working face.

If there were any odor observations, was the source of the odor identified?

Yes

No

If so, describe:

Working face.

report this ad

Kenansville, FL 🏠

734 Citrus / Island Pond

|

Report

© 12:46 PM EDT on October 02, 2015 [GMT -0400]

Elev 79 ft 27.74 °N, 81.07 °W | Updated 16 min ago



Mostly Cloudy

85.8 °F

Feels Like 97 °F

Wind from NNW

Gusts 14.0 mph

📶

Today is forecast to be *COOLER* than yesterday.

Today

High 87 | Low 69 °F

80% Chance of Precip.

Yesterday

High 90.2 | Low 73.2 °F

Precip. 0 in

Sun & Moon

7:17 am 7:09 pm

Waning Gibbous, 73% visible

<u>Pressure</u>	29.56 in
<u>Visibility</u>	10.0 miles
<u>Clouds</u>	Mostly Cloudy 2000 ft Mostly Cloudy 4500 ft
<u>Heat Index</u>	97 °F
<u>Dew Point</u>	77 °F
<u>Humidity</u>	76%
<u>Rainfall</u>	0.00 in
<u>Snow Depth</u>	Not available.
<u>UV</u>	4.1 out of 12



Safety.
All day.
Every day.

MONTHLY ODOR SURVEY FORM

Facility Name: _____

Date: _____

Time of Inspection: _____

Name of Inspector: _____

Weather Conditions at Time of Inspection:

Temperature: _____

Barometric Pressure: _____

Wind Direction: _____

Wind Speed: _____

Precipitation: _____

Humidity: _____

Were there any odor observations at facility perimeter?

Yes

No

If so, describe:

Were there any odor observations at or near the existing disposal area?

Yes

No

If so, describe:

If there were any odor observations, was the source of the odor identified?

Yes

No

If so, describe:



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MONTHLY ODOR SURVEY FORM

Facility Name: _____

Date: _____

Time of Inspection: _____

Name of Inspector: _____

Weather Conditions at Time of Inspection:

Temperature: _____

Barometric Pressure: _____

Wind Direction: _____

Wind Speed: _____

Precipitation: _____

Humidity: _____

Were there any odor observations at facility perimeter?

Yes No If so, describe:

Were there any odor observations at or near the existing disposal area?

Yes No If so, describe:

If there were any odor observations, was the source of the odor identified?

Yes No If so, describe:



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MONTHLY ODOR SURVEY FORM

Facility Name: _____

Date: _____

Time of Inspection: _____

Name of Inspector: _____

Weather Conditions at Time of Inspection:

Temperature: _____

Barometric Pressure: _____

Wind Direction: _____

Wind Speed: _____

Precipitation: _____

Humidity: _____

Were there any odor observations at facility perimeter?

Yes

No

If so, describe:

Were there any odor observations at or near the existing disposal area?

Yes

No

If so, describe:

If there were any odor observations, was the source of the odor identified?

Yes

No

If so, describe:

Off Site



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JED Landfill

Odor Management Plan

Off-Site Odor survey

Location: 3497 N. Canoe Creek Kenansville, FL

Date: 10-2-15

Time of survey: 3:05 p.m.

Name of Inspector: Daniel Jansen

Weather conditions at the time of the survey:

Temperature : 87.7°

Barometric Pressure: 29.53 in

Wind Direction: NW

Wind Speed: 14 mph

Precipitation: ☉

Humidity: 74%

Observation: Side of road for 20 minutes - No odors
No call from Mr. Crawford.

report this ad

Kenansville, FL 🏠

734 Citrus / Island Pond

© 2:27 PM EDT on October 02, 2015 [GMT -0400]

Report

Elev 79 ft 27.74 °N, 81.07 °W | Updated 14 min ago



Mostly Cloudy

87.7 °F

Feels Like **102 °F**

Wind from NW

Gusts **14.0** mph

8.0

Thunderstorms possible at 6:00pm.

Today is forecast to be **NEARLY THE SAME** temperature as yesterday.

Today

High **88** | Low **69** °F

20% Chance of Precip.

Yesterday

High **90.2** | Low **73.2** °F

Precip. **0** in

Sun & Moon

7:17 am 7:09 pm

Waning Gibbous, 72% visible

Pressure

29.53 in

Visibility

10.0 miles

Clouds	Mostly Cloudy 3000 ft
Heat Index	102 °F
Dew Point	78 °F
Humidity	74%
Rainfall	0.00 in
Snow Depth	Not available.
UV	5.5 out of 12
Pollen	6.60 out of 12
Air Quality	Not available.
Flu Activity	Not available.

METAR KMLB 021753Z 01010KT 10SM BKN030 32/23 A2953 RMK A02 SLP999 T03170233 10317 20250 58015

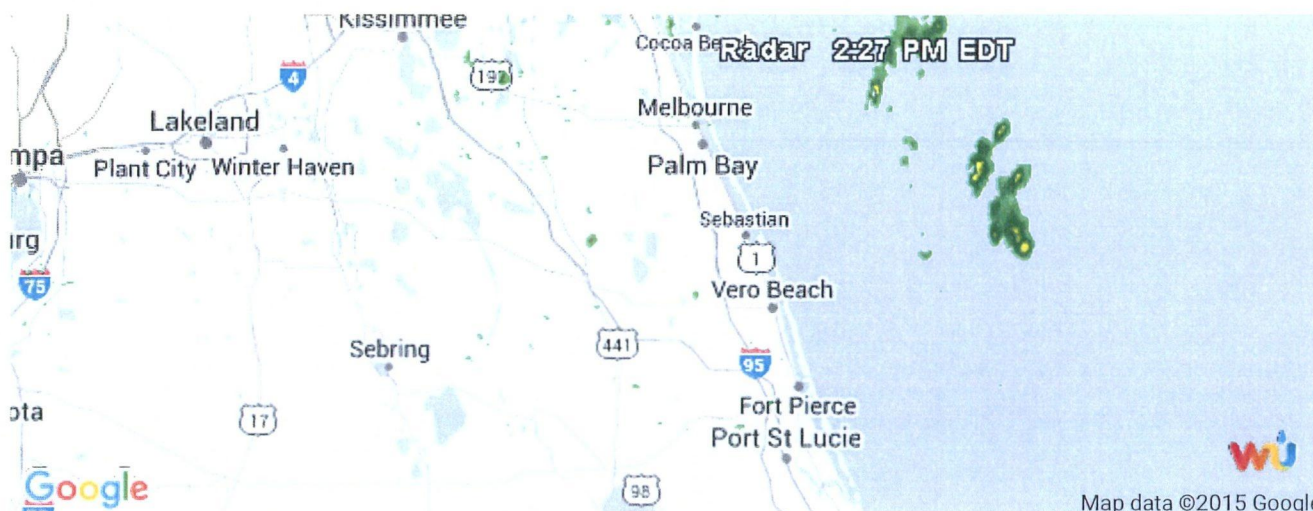
More Conditions Fewer Conditions

Pressure	29.53 in
Visibility	10.0 miles
Clouds	Mostly Cloudy 3000 ft
Heat Index	102 °F
Dew Point	78 °F
Humidity	74%
Rainfall	0.00 in
Snow Depth	Not available.
UV	5.5 out of 12
Pollen	6.60 out of 12
Air Quality	Not available.
Flu Activity	Not available.

METAR KMLB 021753Z 01010KT 10SM BKN030 32/23 A2953 RMK A02 SLP999 T03170233 10317 20250 58015

More Conditions Fewer Conditions

Radar Satellite



6-Hour Precipitation Forecast for Kenansville, FL



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Odor Management Plan

Off - Site Odor survey

Location: 3497 N. Canoe Creek Rd. Kenansville, FL

Date: Oct. 9, 2015

Time of survey: 9:12 - 9:33 a.m.

Name of Inspector: Daniel Jansen

Weather conditions at the time of the survey:

Temperature : 81°

Barometric Pressure: 30.10 in

Wind Direction: East

Wind Speed: 4 mph

Precipitation: 0

Humidity: 80%

Observation:

Clear day. The odor observed was fresh
cut grass.



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Odor Management Plan

Off - Site Odor survey

Location: 1178 S. Canoe Creek Rd Kenansville, FL

Date: Oct 9, 2015

Time of survey: 10:01 am

Name of Inspector: Daniel Jansen

Weather conditions at the time of the survey:

Temperature : 81°

Barometric Pressure: 30.10 in

Wind Direction: E 7

Wind Speed: 7 mph

Precipitation: 0

Humidity: 83%

Observation: Open top rolloff containers for citizens garbage. Raw trash odor outside front gate. Location is 14 miles South of Mr. Crawford's.



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Odor Management Plan

Off - Site Odor survey

Location: 3497 N. Canoe Creek Rd - Kenansville, FL

Date: Oct. 15, 2015

Time of survey: 4:14 PM to 4:38 PM

Name of Inspector: Daniel Jansen

Weather conditions at the time of the survey:

Temperature : 86°

Barometric Pressure: 30.00 in

Wind Direction: NE

Wind Speed: 11 mph

Precipitation: 0.0 in

Humidity: 44%

Observation: Nice breeze - clear + sunny. No odors - off



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JED Landfill

Odor Management Plan

Compliant Investigation

Location: 3497 N. canoe Creek Rd, Kenansville, FL – Mr. Crawford's Home

Date: September 28, 2015

Time of Investigation: 7:10 AM

Name of Inspector: Bob Walls & Dan Jansen – Progressive Waste – JED Landfill

Weather conditions at the time of the survey:

Temperature: 82 Degrees

Barometric Pressure: 29.89 in.

Wind Direction: SE

Wind Speed: 4 mph

Precipitation: 0

Humidity: 81 %

Observation: Bob Walls had received an Odor Compliant from Mr. Crawford approx. 9:00 am Sunday morning (September 27th, 2015) via his cell phone. Mr. Crawford requested a visit from Bob on Monday morning at 7:00 AM at his home. Bob and Dan Jansen were at Mr. Crawford's home at 7:10 AM Monday morning (September 28th, 2015). There was NO ODOR observed by Bob and Dan as well as stated by Mr. Crawford. Bob and Dan stayed for about 40 minutes visiting with Mr. Crawford who had stated that he knows the difference between a nearby Chicken Farm and Industrial sludge land applications which are currently active in his area. When Bob and Dan left the Crawford residence they stopped at the end of his driveway and still did not observe any odors.

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Weather History for KMLB - September, 2015

Monday, September 28, 2015

Daily	Weekly	Monthly	Custom	Actual	Average	Record
Temperature						
Mean Temperature				82 °F	80 °F	
Max Temperature				88 °F	87 °F	95 °F (1974)
Min Temperature				75 °F	72 °F	64 °F (1977)
Degree Days						
Heating Degree Days				0	0	
Month to date heating degree days				0	0	
Since 1 July heating degree days				0	0	
Cooling Degree Days				17	15	
Month to date cooling degree days				457	438	
Year to date cooling degree days				3116	2664	
Growing Degree Days				31 (Base 50)		
Moisture						
Dew Point				74 °F		
Average Humidity				81		
Maximum Humidity				94		
Minimum Humidity				68		
Precipitation						
Precipitation				T in	0.25 in	2.59 in (2000)
Month to date precipitation				5.03	7.13	
Year to date precipitation				44.15	40.98	
Sea Level Pressure						
Sea Level Pressure				29.89 in		
Wind						
Wind Speed				4 mph [SE]		
Max Wind Speed				15 mph		
Max Gust Speed				19 mph		
Visibility				10 miles		

Actual Average Record

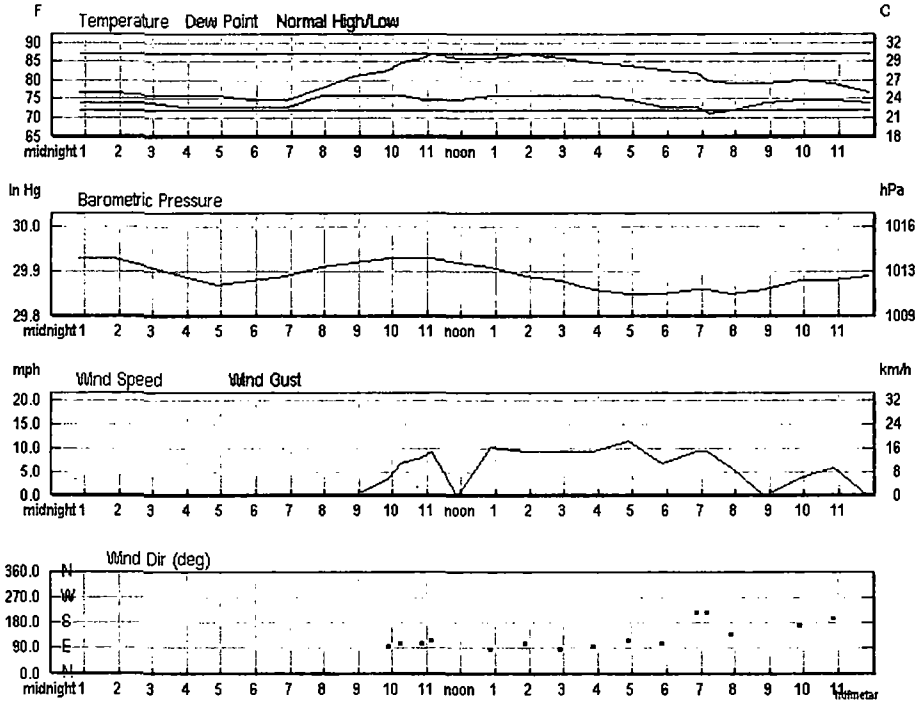
Events

Thunderstorm

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary

Daily Weather History Graph



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Search for Another Location

Airport or City:

KMLB

Submit

Trip Planner

Search our weather history database for the weather conditions in past years. The results will help you decide how hot, cold, wet, or windy it might be!

Date:

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Astronomy

Sep. 28, 2015	Rise	Set
Actual Time	7:13 AM EDT	7:12 PM EDT
Civil Twilight	6:50 AM EDT	7:35 PM EDT
Nautical Twilight	6:23 AM EDT	8:02 PM EDT
Astronomical Twilight	5:55 AM EDT	8:30 PM EDT

Sep. 28, 2015	Rise	Set
Moon	7:49 PM EDT [9/28]	7:39 AM EDT [9/28]
<u>Length of Visible Light</u>	12h 45m	
<u>Length of Day</u>	11h 58m	

Full, 100% of the Moon is Illuminated

Sep 28	Oct 4	Oct 12	Oct 20	Oct 27
Full	Last Quarter	New	First Quarter	Full

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Hourly Weather History & Observations

Time [EDT]	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
12:53 AM	77.0 °F	-	73.9 °F	90%	29.93 in	10.0 mi	Calm	Calm	-	N/A		Clear
1:53 AM	77.0 °F	-	73.9 °F	90%	29.93 in	10.0 mi	Calm	Calm	-	N/A		Clear
2:53 AM	75.9 °F	-	73.9 °F	94%	29.91 in	10.0 mi	Calm	Calm	-	N/A		Clear
3:53 AM	75.9 °F	-	73.0 °F	91%	29.89 in	10.0 mi	Calm	Calm	-	N/A		Clear
4:53 AM	75.9 °F	-	73.0 °F	91%	29.87 in	10.0 mi	Calm	Calm	-	N/A		Clear
5:53 AM	75.0 °F	-	73.0 °F	94%	29.88 in	10.0 mi	Calm	Calm	-	N/A		Clear
6:53 AM	75.0 °F	-	73.0 °F	94%	29.89 in	10.0 mi	Calm	Calm	-	N/A		Clear
7:53 AM	78.1 °F	-	75.9 °F	93%	29.91 in	10.0 mi	Calm	Calm	-	N/A		Clear
8:53 AM	81.0 °F	87.3 °F	75.9 °F	85%	29.92 in	10.0 mi	Calm	Calm	-	N/A		Clear
9:53 AM	82.9 °F	90.8 °F	75.9 °F	79%	29.93 in	10.0 mi	East	3.5 mph	-	N/A		Scattered Clouds
10:16 AM	84.9 °F	94.1 °F	75.9 °F	74%	29.93 in	10.0 mi	ESE	6.9 mph	-	N/A		Mostly Cloudy
10:53 AM	86.0 °F	95.1 °F	75.0 °F	70%	29.93 in	10.0 mi	ESE	8.1 mph	-	N/A		Mostly Cloudy
11:08 AM	87.1 °F	96.3 °F	75.0 °F	67%	29.93 in	10.0 mi	ESE	9.2 mph	-	N/A		Scattered Clouds
11:53 AM	86.0 °F	95.1 °F	75.0 °F	70%	29.92 in	10.0 mi	Calm	Calm	-	N/A		Scattered Clouds
12:53 PM	86.0 °F	96.0 °F	75.9 °F	72%	29.91 in	10.0 mi	East	10.4 mph	-	N/A		Partly Cloudy
1:53 PM	87.1 °F	97.3 °F	75.9 °F	69%	29.89 in	10.0 mi	ESE	9.2 mph	-	N/A		Clear

Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
2:53 PM	86.0 °F	96.0 °F	75.9 °F	72%	29.88 in	10.0 mi	East	9.2 mph	-	N/A		Scattered Clouds
3:53 PM	84.9 °F	94.1 °F	75.9 °F	74%	29.86 in	10.0 mi	East	9.2 mph	-	N/A		Scattered Clouds
4:53 PM	84.0 °F	91.9 °F	75.0 °F	74%	29.85 in	10.0 mi	ESE	11.5 mph	-	N/A		Scattered Clouds
5:53 PM	82.9 °F	88.8 °F	73.0 °F	72%	29.85 in	10.0 mi	ESE	6.9 mph	-	0.00 in		Scattered Clouds
6:53 PM	82.0 °F	87.4 °F	73.0 °F	74%	29.86 in	10.0 mi	SW	9.2 mph	-	N/A	Thunderstorm	Mostly Cloudy
7:12 PM	80.1 °F	83.6 °F	71.1 °F	74%	29.86 in	10.0 mi	SW	9.2 mph	-	N/A		Mostly Cloudy
7:53 PM	79.0 °F	-	72.0 °F	79%	29.85 in	10.0 mi	SE	5.8 mph	-	N/A	Thunderstorm	Overcast
8:53 PM	79.0 °F	-	73.9 °F	84%	29.86 in	10.0 mi	Calm	Calm	-	0.00 in		Partly Cloudy
9:53 PM	80.1 °F	85.1 °F	75.0 °F	85%	29.88 in	10.0 mi	South	3.5 mph	-	N/A		Clear
10:53 PM	79.0 °F	-	75.0 °F	88%	29.88 in	10.0 mi	SSW	5.8 mph	-	N/A		Overcast
11:53 PM	77.0 °F	-	73.9 °F	90%	29.89 in	10.0 mi	Calm	Calm	-	N/A		Clear

||

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Weather History for KMLB - September, 2015

Sunday, September 27, 2015

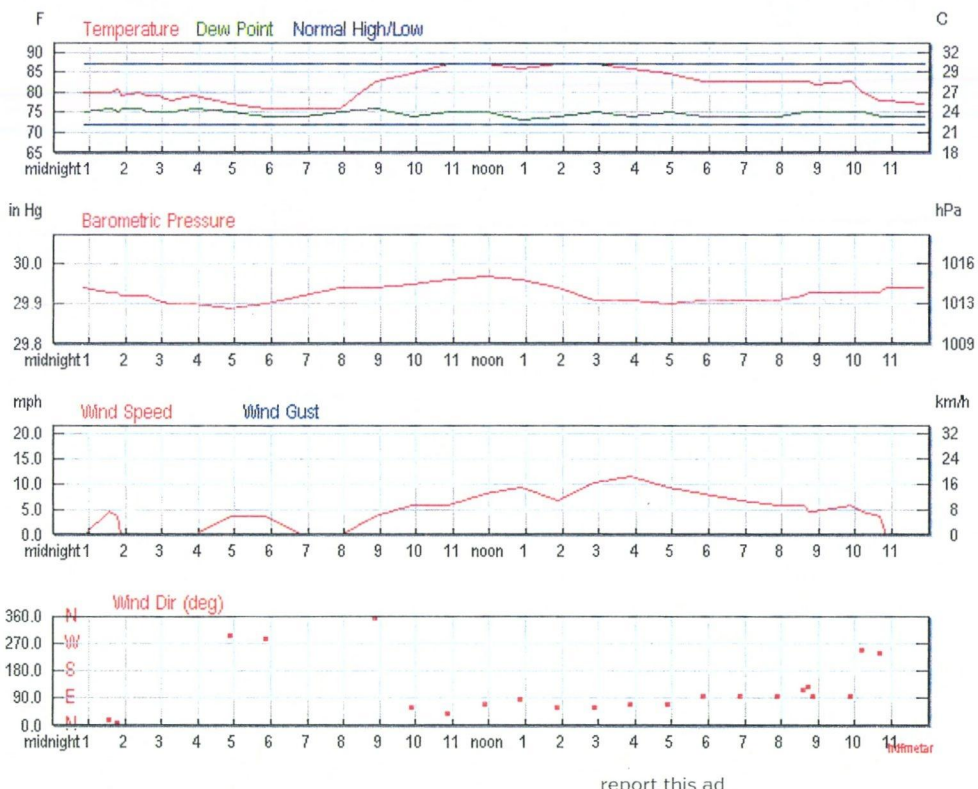
Daily	Weekly	Monthly	Custom		Actual	Average	Record
Temperature							
Mean Temperature					82 °F	80 °F	
Max Temperature					88 °F	87 °F	94 °F [2000]
Min Temperature					75 °F	72 °F	58 °F [1982]
Degree Days							
Heating Degree Days					0	0	
Month to date heating degree days					0	0	
Since 1 July heating degree days					0	0	
Cooling Degree Days					17	15	
Month to date cooling degree days					440	423	
Year to date cooling degree days					3099	2649	
Growing Degree Days					31 [Base 50]		
Moisture							
Dew Point					75 °F		
Average Humidity					82		
Maximum Humidity					100		
Minimum Humidity					63		
Precipitation							
Precipitation					0.00 in	0.26 in	3.14 in [1967]
Month to date precipitation					5.03	6.88	
Year to date precipitation					44.15	40.73	
Sea Level Pressure							
Sea Level Pressure					29.93 in		
Wind							
Wind Speed					5 mph [ENE]		

	Actual	Average	Record
Max Wind Speed	13 mph		
Max Gust Speed	17 mph		
Visibility	10 miles		
Events			

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary

Daily Weather History Graph



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Airport or City:

KMLB

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Trip Planner

Search our weather history database for the weather conditions in past years. The results will help you decide how hot, cold, wet, or windy it might be!

Date:

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Astronomy

Sep. 27, 2015	Rise	Set
Actual Time	7:13 AM EDT	7:13 PM EDT
<u>Civil Twilight</u>	6:49 AM EDT	7:36 PM EDT
<u>Nautical Twilight</u>	6:22 AM EDT	8:04 PM EDT
<u>Astronomical Twilight</u>	5:55 AM EDT	8:31 PM EDT
Moon	7:04 PM EDT (9/27)	6:32 AM EDT (9/27)
<u>Length of Visible Light</u>	12h 46m	
<u>Length of Day</u>	12h 00m	

Full, 100% of the Moon is Illuminated

Sep 27	Sep 27	Oct 4	Oct 12	Oct 20
Full	Full	Last Quarter	New	First Quarter

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Hourly Weather History & Observations

Time [EDT]	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
12:53 AM	80.1 °F	85.1 °F	75.0 °F	85%	29.94 in	10.0 mi	Calm	Calm	-	N/A		Partly Cloudy
1:35 AM	80.1 °F	85.4 °F	75.9 °F	87%	29.93 in	10.0 mi	NNE	4.6 mph	-	N/A		Mostly Cloudy
1:48 AM	80.6 °F	86.2 °F	75.2 °F	84%	29.93 in	10.0 mi	North	3.5 mph	-	N/A		Scattered Clouds
1:53 AM	79.0 °F	-	75.9 °F	90%	29.92 in	10.0 mi	Calm	Calm	-	N/A		Mostly Cloudy
2:22 AM	80.1 °F	85.4 °F	75.9 °F	87%	29.92 in	10.0 mi	Calm	Calm	-	N/A		Mostly Cloudy
2:35 AM	79.0 °F	-	75.0 °F	88%	29.92 in	10.0 mi	Calm	Calm	-	N/A		Scattered Clouds
2:53 AM	79.0 °F	-	75.0 °F	88%	29.91 in	10.0 mi	Calm	Calm	-	N/A		Clear
3:14 AM	78.1 °F	-	75.0 °F	90%	29.90 in	10.0 mi	Calm	Calm	-	N/A		Mostly Cloudy
3:53 AM	79.0 °F	-	75.9 °F	90%	29.90 in	10.0 mi	Calm	Calm	-	N/A		Mostly Cloudy
4:53 AM	77.0 °F	-	75.0 °F	94%	29.89 in	10.0 mi	WNW	3.5 mph	-	N/A		Clear
5:53 AM	75.9 °F	-	73.9 °F	94%	29.90 in	10.0 mi	WNW	3.5 mph	-	N/A		Clear
6:53 AM	75.9 °F	-	73.9 °F	94%	29.92 in	10.0 mi	Calm	Calm	-	N/A		Clear

Time [EDT]	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
7:53 AM	75.9 °F	-	75.0 °F	97%	29.94 in	10.0 mi	Calm	Calm	-	N/A		Clear
8:53 AM	82.9 °F	90.8 °F	75.9 °F	79%	29.94 in	10.0 mi	North	3.5 mph	-	N/A		Clear
9:53 AM	84.9 °F	92.1 °F	73.9 °F	69%	29.95 in	10.0 mi	ENE	5.8 mph	-	N/A		Scattered Clouds
10:53 AM	87.1 °F	96.3 °F	75.0 °F	67%	29.96 in	10.0 mi	NE	5.8 mph	-	N/A		Mostly Cloudy
11:53 AM	87.1 °F	96.3 °F	75.0 °F	67%	29.97 in	10.0 mi	ENE	8.1 mph	-	N/A		Mostly Cloudy
12:53 PM	86.0 °F	93.0 °F	73.0 °F	65%	29.96 in	10.0 mi	East	9.2 mph	-	N/A		Scattered Clouds
1:53 PM	87.1 °F	95.4 °F	73.9 °F	65%	29.94 in	10.0 mi	ENE	6.9 mph	-	N/A		Scattered Clouds
2:53 PM	87.1 °F	96.3 °F	75.0 °F	67%	29.91 in	10.0 mi	ENE	10.4 mph	-	N/A		Scattered Clouds
3:53 PM	86.0 °F	93.8 °F	73.9 °F	67%	29.91 in	10.0 mi	ENE	11.5 mph	-	N/A		Clear
4:53 PM	84.9 °F	93.3 °F	75.0 °F	72%	29.90 in	10.0 mi	ENE	9.2 mph	-	N/A		Partly Cloudy
5:53 PM	82.9 °F	89.4 °F	73.9 °F	74%	29.91 in	10.0 mi	East	8.1 mph	-	N/A		Scattered Clouds
6:53 PM	82.9 °F	89.4 °F	73.9 °F	74%	29.91 in	10.0 mi	East	6.9 mph	-	N/A		Clear
7:53 PM	82.9 °F	89.4 °F	73.9 °F	74%	29.91 in	10.0 mi	East	5.8 mph	-	N/A		Clear
8:37 PM	82.9 °F	90.2 °F	75.0 °F	77%	29.92 in	10.0 mi	ESE	5.8 mph	-	N/A		Mostly Cloudy
8:45 PM	82.9 °F	90.2 °F	75.0 °F	77%	29.93 in	10.0 mi	SE	4.6 mph	-	N/A		Scattered Clouds
8:53 PM	82.0 °F	88.6 °F	75.0 °F	79%	29.93 in	10.0 mi	East	4.6 mph	-	N/A		Partly Cloudy
9:53 PM	82.9 °F	90.2 °F	75.0 °F	77%	29.93 in	10.0 mi	East	5.8 mph	-	N/A		Partly Cloudy
10:13 PM	80.1 °F	85.1 °F	75.0 °F	85%	29.93 in	10.0 mi	WSW	4.6 mph	-	N/A		Mostly Cloudy
10:42 PM	78.1 °F	-	73.9 °F	87%	29.93 in	10.0 mi	WSW	3.5 mph	-	N/A		Scattered Clouds
10:53 PM	78.1 °F	-	73.9 °F	87%	29.94 in	10.0 mi	Calm	Calm	-	N/A		Clear
11:53 PM	77.0 °F	-	73.9 °F	90%	29.94 in	10.0 mi	Calm	Calm	-	N/A		Clear

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Weather History for Melbourne, FL

Friday, June 5, 2015

Friday, June 5, 2015

« Previous Day

June

5

2015

View

Next Day »

Daily

Weekly

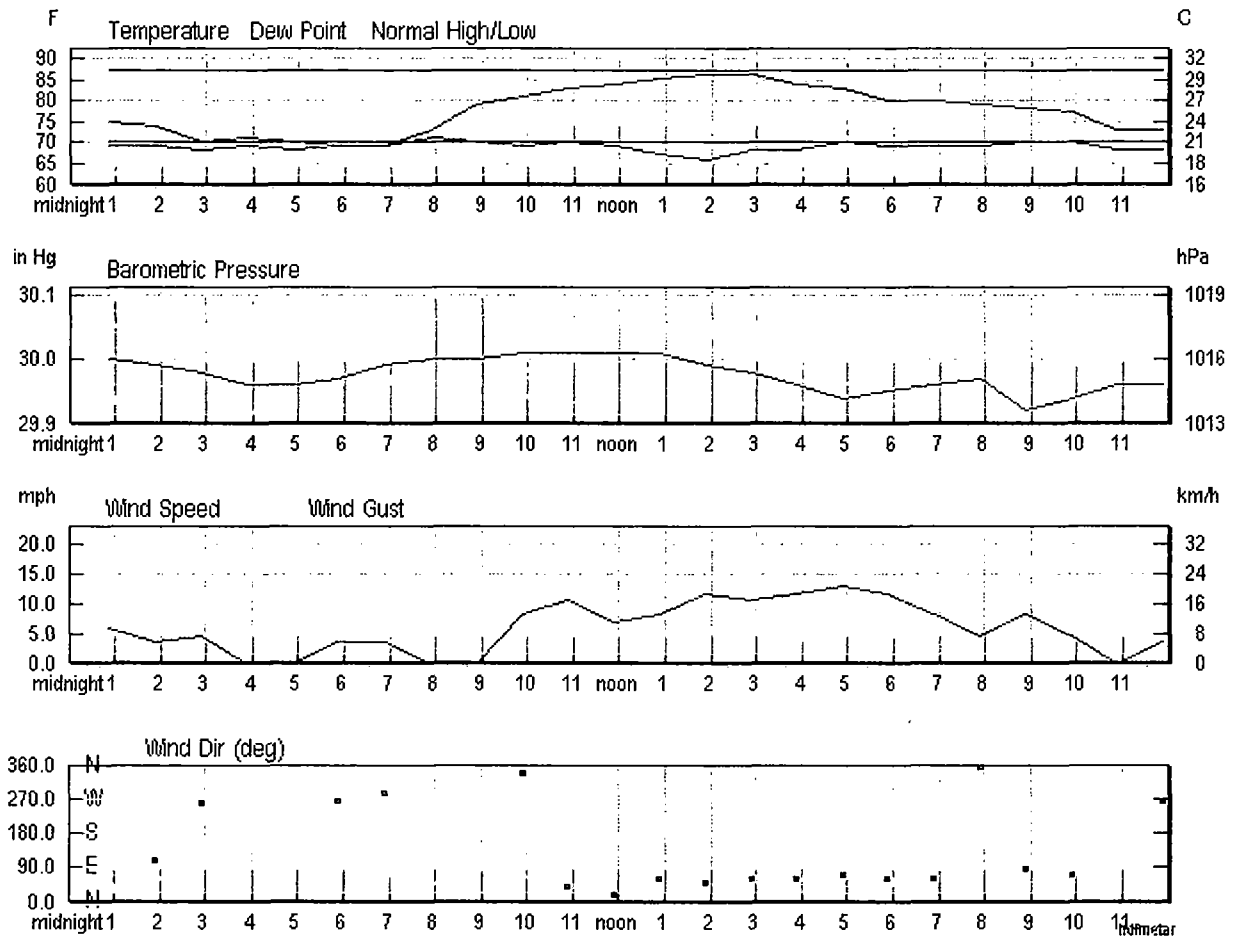
Monthly

Custom

	Actual	Average	Record
Temperature			
Mean Temperature	79 °F	80 °F	
Max Temperature	88 °F	88 °F	100 °F (1998)
Min Temperature	69 °F	71 °F	63 °F (1941)
Degree Days			
Heating Degree Days	0	0	
Month to date heating degree days	0	0	
Since 1 June heating degree days	0	0	
Since 1 July heating degree days	424	577	
Cooling Degree Days	14	15	
Month to date cooling degree days	62	72	
Year to date cooling degree days	1174	798	
Since 1 June cooling degree days	62	72	
Growing Degree Days	28 (Base 50)		
Moisture			
Dew Point	70 °F		
Average Humidity	75		
Maximum Humidity	100		
Minimum Humidity	50		
Precipitation			
Precipitation	0.00 in	0.20 in	2.83 in (1966)
Month to date precipitation	2.19	0.98	
Year to date precipitation	15.04	14.48	
Sea Level Pressure			
Sea Level Pressure	29.98 in		
Wind			
Wind Speed	6 mph (NE)		
Max Wind Speed	15 mph		
Max Gust Speed	19 mph		
Visibility	10 miles		
Events			

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary



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Hourly Weather History & Observations

Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust
12:53 AM	75.9 °F	-	70.0 °F	82%	30.00 in	10.0 mi	ESE	5.8 mph	-
METAR KMLB 050453Z AUTO 12005KT 10SM CLR 24/21 A3000 RMK AO2 SLP158 T02440211 403000200									
1:53 AM	75.0 °F	-	70.0 °F	84%	29.99 in	10.0 mi	ESE	3.5 mph	-
METAR KMLB 050553Z AUTO 11003KT 10SM CLR 24/21 A2999 RMK AO2 SLP154 T02390211 10267 20239 58007									
2:53 AM	71.1 °F	-	69.1 °F	93%	29.98 in	10.0 mi	West	4.6 mph	-
METAR KMLB 050653Z AUTO 26004KT 10SM CLR 22/21 A2998 RMK AO2 SLP151 T02170206									
3:53 AM	72.0 °F	-	70.0 °F	93%	29.96 in	10.0 mi	Calm	Calm	-

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Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust
METAR KMLB 050753Z AUTO 00000KT 10SM CLR 22/21 A2996 RMK AO2 SLP146 T02220211									
4:53 AM	71.1 °F	-	69.1 °F	93%	29.96 in	10.0 mi	Calm	Calm	-
METAR KMLB 050853Z AUTO 00000KT 10SM CLR 22/21 A2996 RMK AO2 SLP144 T02170206 56010									
5:53 AM	70.0 °F	-	70.0 °F	100%	29.97 in	10.0 mi	West	3.5 mph	-
METAR KMLB 050953Z 27003KT 10SM CLR 21/21 A2997 RMK AO2 SLP147 T02110211									
6:53 AM	70.0 °F	-	70.0 °F	100%	29.99 in	10.0 mi	WNW	3.5 mph	-
METAR KMLB 051053Z 29003KT 10SM CLR 21/21 A2999 RMK AO2 SLP154 T02110211									
7:53 AM	73.9 °F	-	72.0 °F	93%	30.00 in	10.0 mi	Calm	Calm	-
METAR KMLB 051153Z 00000KT 10SM FEW024 23/22 A3000 RMK AO2 SLP157 T02330222 10239 20206 51013									
8:53 AM	80.1 °F	83.6 °F	71.1 °F	74%	30.00 in	10.0 mi	Calm	Calm	-
METAR KMLB 051253Z 00000KT 10SM FEW024 27/22 A3000 RMK AO2 SLP158 T02670217									
9:53 AM	82.0 °F	85.9 °F	70.0 °F	67%	30.01 in	10.0 mi	NNW	8.1 mph	-
METAR KMLB 051353Z 34007KT 10SM SCT022 28/21 A3001 RMK AO2 SLP161 T02780211									
10:53 AM	84.0 °F	89.0 °F	71.1 °F	65%	30.01 in	10.0 mi	NE	10.4 mph	-
METAR KMLB 051453Z 04009KT 10SM SCT024 29/22 A3001 RMK AO2 SLP163 T02890217 51006									
11:53 AM	84.9 °F	89.4 °F	70.0 °F	61%	30.01 in	10.0 mi	NNE	6.9 mph	-
METAR KMLB 051553Z 02006KT 10SM SCT034 29/21 A3001 RMK AO2 SLP163 T02940211									
12:53 PM	86.0 °F	89.4 °F	68.0 °F	55%	30.01 in	10.0 mi	ENE	8.1 mph	-
METAR KMLB 051653Z 06007KT 10SM FEW041 30/20 A3001 RMK AO2 SLP162 T03000200									
1:53 PM	87.1 °F	89.9 °F	66.9 °F	51%	29.99 in	10.0 mi	NE	11.5 mph	-
METAR KMLB 051753Z 05010KT 10SM FEW041 31/19 A2999 RMK AO2 SLP154 T03060194 10306 20233 58008									
2:53 PM	87.1 °F	91.3 °F	69.1 °F	55%	29.98 in	10.0 mi	ENE	10.4 mph	-
METAR KMLB 051853Z 06009KT 10SM SCT040 31/21 A2998 RMK AO2 SLP150 T03060206									
3:53 PM	84.9 °F	88.8 °F	69.1 °F	59%	29.96 in	10.0 mi	ENE	11.5 mph	-
METAR KMLB 051953Z 06010KT 10SM FEW040 29/21 A2995 RMK AO2 SLP143 T02940206									
4:53 PM	84.0 °F	89.0 °F	71.1 °F	65%	29.94 in	10.0 mi	ENE	12.7 mph	-
METAR KMLB 052053Z 07011KT 10SM CLR 29/22 A2994 RMK AO2 SLP138 T02890217 58016									

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Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust
5:53 PM	81.0 °F	84.4 °F	70.0 °F	69%	29.95 in	10.0 mi	ENE	11.5 mph	-
METAR KMLB 052153Z 06010KT 10SM FEW034 27/21 A2995 RMK AO2 SLP141 T02720211									
6:53 PM	81.0 °F	84.4 °F	70.0 °F	69%	29.96 in	10.0 mi	ENE	8.1 mph	-
METAR KMLB 052253Z 06007KT 10SM FEW035 27/21 A2996 RMK AO2 SLP145 T02720211									
7:53 PM	80.1 °F	83.2 °F	70.0 °F	71%	29.97 in	10.0 mi	North	4.6 mph	-
METAR KMLB 052353Z 36004KT 10SM FEW085 27/21 A2997 RMK AO2 LTG DSNT N AND NW SLP149 T02670211 10311 20267 53									
8:53 PM	79.0 °F	-	71.1 °F	77%	29.92 in	10.0 mi	East	8.1 mph	-
METAR KMLB 060053Z 09007KT 10SM CLR 26/22 A2992 RMK AO2 SLP131 T02610217									
9:53 PM	78.1 °F	-	71.1 °F	79%	29.94 in	10.0 mi	ENE	4.6 mph	-
METAR KMLB 060153Z 07004KT 10SM CLR 26/22 A2995 RMK AO2 SLP139 T02560217									
10:53 PM	73.9 °F	-	69.1 °F	85%	29.96 in	10.0 mi	Calm	Calm	-
METAR KMLB 060253Z 00000KT 10SM CLR 23/21 A2996 RMK AO2 SLP143 T02330206 55006									
11:53 PM	73.9 °F	-	69.1 °F	85%	29.96 in	10.0 mi	West	3.5 mph	-
METAR KMLB 060353Z AUTO 27003KT 10SM FEW022 23/21 A2996 RMK AO2 SLP143 T02330206									

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Weather History for Kissimmee, FL

Wednesday, May 6, 2015

Wednesday, May 6, 2015

« Previous Day

May 6 2015 View

Next Day »

Daily

Weekly

Monthly

Custom

	Actual	Average	Record
Temperature			
Mean Temperature	78 °F	-	
Max Temperature	86 °F	85 °F	92 °F (1984)
Min Temperature	71 °F	62 °F	51 °F (1981)
Cooling Degree Days	14		
Growing Degree Days	28 (Base 50)		
Moisture			
Dew Point	68 °F		
Average Humidity	69		
Maximum Humidity	88		
Minimum Humidity	51		
Precipitation			
Precipitation	0.00 in	-	- ()
Sea Level Pressure			
Sea Level Pressure	30.05 in		
Wind			
Wind Speed	9 mph (NNE)		
Max Wind Speed	17 mph		
Max Gust Speed	22 mph		
Visibility	10 miles		
Events			

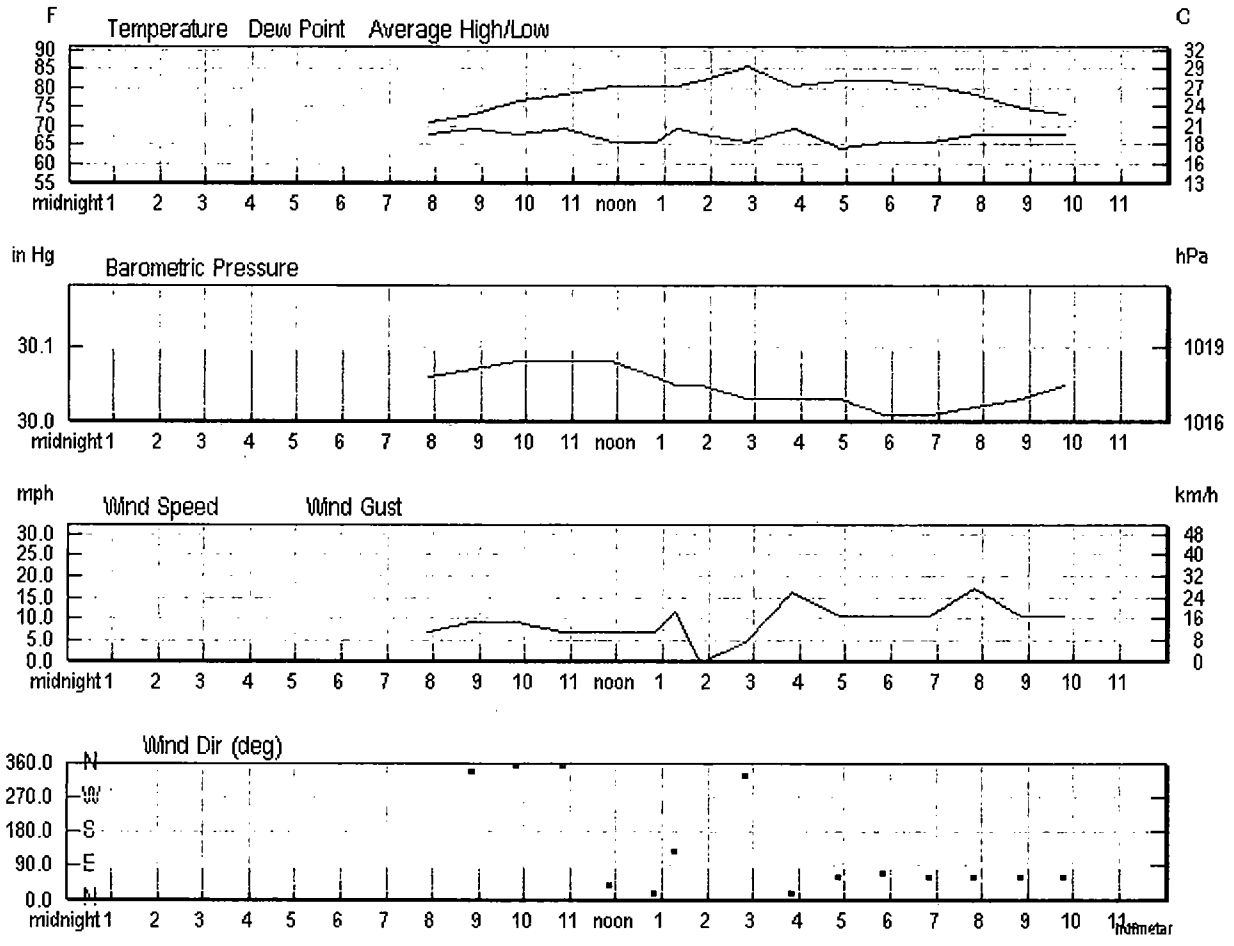
Averages and records for this station are not official NWS values.

Click here for data from the nearest station with official NWS data (KMCO).

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary

Seasonal Weather Averages



Certify This Report

Hourly Weather History & Observations

Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust
7:52 AM	71.6 °F	-	68.0 °F	88%	30.06 in	10.0 mi	NNW	6.9 mph	-
8:50 AM	73.4 °F	-	69.8 °F	88%	30.07 in	10.0 mi	NNW	9.2 mph	-
9:48 AM	77.0 °F	-	68.0 °F	74%	30.08 in	10.0 mi	North	9.2 mph	-
10:50 AM	78.8 °F	-	69.8 °F	74%	30.08 in	10.0 mi	North	6.9 mph	-
11:50 AM	80.6 °F	82.7 °F	66.2 °F	61%	30.08 in	10.0 mi	NE	6.9 mph	-

Show full METARS | METAR FAQ | Comma Delimited File

Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust
12:50 PM	80.6 °F	82.7 °F	66.2 °F	61%	30.06 in	10.0 mi	NNE	6.9 mph	-
1:15 PM	80.6 °F	83.9 °F	69.8 °F	70%	30.05 in	10.0 mi	SE	11.5 mph	-
1:50 PM	82.4 °F	85.4 °F	68.0 °F	62%	30.05 in	10.0 mi	Calm	Calm	-
2:50 PM	86.0 °F	88.2 °F	66.2 °F	51%	30.03 in	10.0 mi	NNW	4.6 mph	-
3:50 PM	80.6 °F	83.9 °F	69.8 °F	70%	30.03 in	10.0 mi	NNE	16.1 mph	21.9
4:50 PM	82.4 °F	83.9 °F	64.4 °F	54%	30.03 in	10.0 mi	ENE	10.4 mph	-
5:50 PM	82.4 °F	84.6 °F	66.2 °F	58%	30.01 in	10.0 mi	ENE	10.4 mph	-
6:50 PM	80.6 °F	82.7 °F	66.2 °F	61%	30.01 in	10.0 mi	ENE	10.4 mph	-
7:50 PM	78.8 °F	-	68.0 °F	69%	30.02 in	10.0 mi	ENE	17.3 mph	-
8:50 PM	75.2 °F	-	68.0 °F	78%	30.03 in	10.0 mi	ENE	10.4 mph	-
9:45 PM	73.4 °F	-	68.0 °F	83%	30.05 in	10.0 mi	ENE	10.4 mph	-

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Weather History for Kissimmee, FL

Thursday, April 16, 2015

Thursday, April 16, 2015

[« Previous Day](#)

April	▼	16	▼	2015	▼	View
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[Next Day »](#)

Daily

Weekly

Monthly

Custom

	Actual	Average	Record
Temperature			
Mean Temperature	78 °F	-	
Max Temperature	84 °F	83 °F	96 °F (1982)
Min Temperature	71 °F	59 °F	44 °F (2007)
Cooling Degree Days	12		
Growing Degree Days	28 (Base 50)		
Moisture			
Dew Point	72 °F		
Average Humidity	88		
Maximum Humidity	100		
Minimum Humidity	70		
Precipitation			
Precipitation	0.00 in	-	- ()
Sea Level Pressure			
Sea Level Pressure	30.09 in		
Wind			
Wind Speed	3 mph (East)		
Max Wind Speed	15 mph		
Max Gust Speed	18 mph		
Visibility	8 miles		
Events	Rain , Thunderstorm		

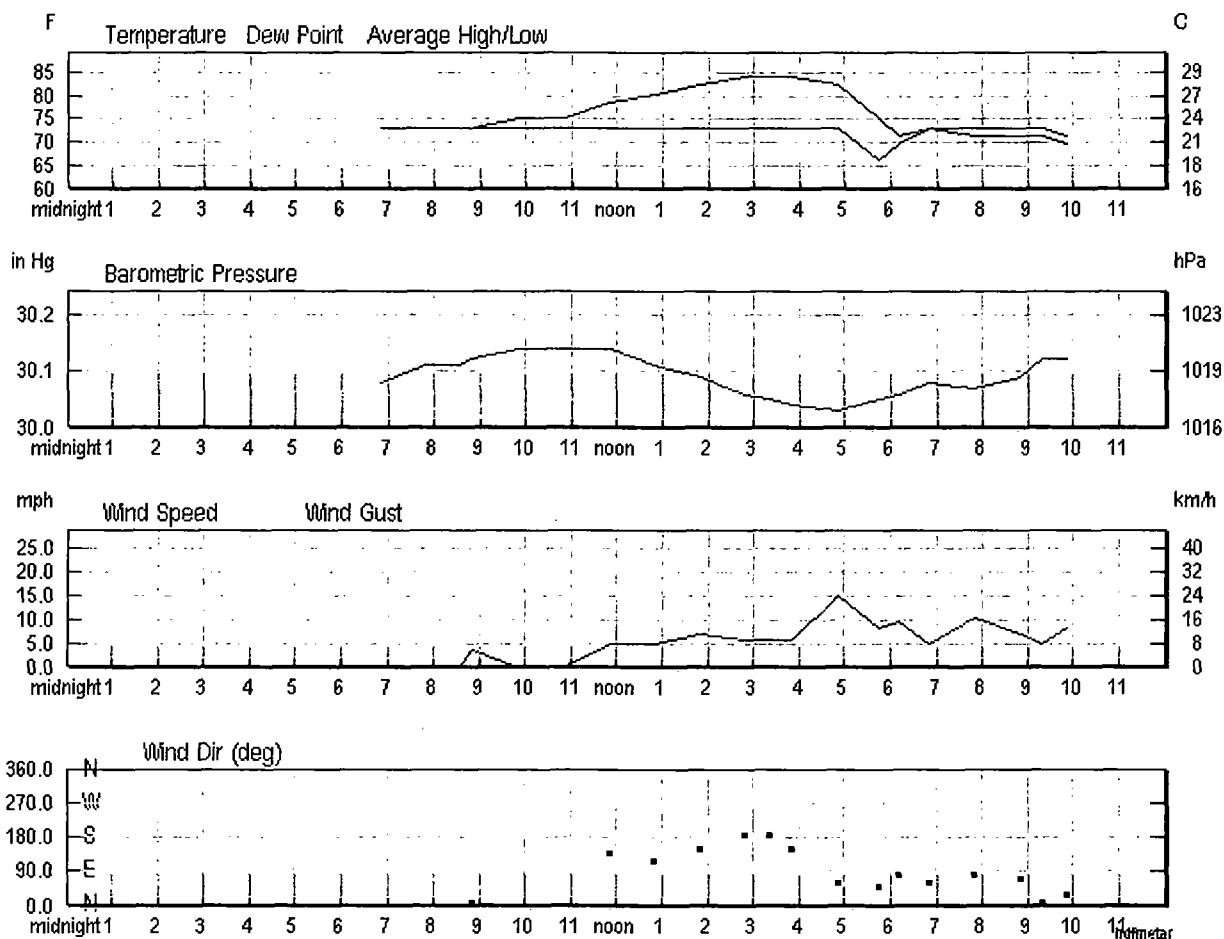
Averages and records for this station are not official NWS values.

Click here for data from the nearest station with official NWS data (KMCO).

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary

Seasonal Weather Averages



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Hourly Weather History & Observations

Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust
6:50 AM	73.4 °F	-	73.4 °F	100%	30.08 in	10.0 mi	Calm	Calm	-
7:50 AM	73.4 °F	-	73.4 °F	100%	30.11 in	7.0 mi	Calm	Calm	-
8:35 AM	73.4 °F	-	73.4 °F	100%	30.11 in	6.0 mi	Calm	Calm	-
8:50 AM	73.4 °F	-	73.4 °F	100%	30.12 in	6.0 mi	North	3.5 mph	-
9:50 AM	75.2 °F	-	73.4 °F	94%	30.14 in	6.0 mi	Calm	Calm	-
10:50 AM	75.2 °F	-	73.4 °F	94%	30.14 in	6.0 mi	Calm	Calm	-
11:50 AM	78.8 °F	-	73.4 °F	83%	30.14 in	10.0 mi	SE	4.6 mph	-

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Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust
12:48 PM	80.6 °F	85.4 °F	73.4 °F	79%	30.11 in	10.0 mi	ESE	4.6 mph	-
1:50 PM	82.4 °F	88.2 °F	73.4 °F	74%	30.09 in	10.0 mi	SSE	6.9 mph	-
2:50 PM	84.2 °F	90.9 °F	73.4 °F	70%	30.06 in	10.0 mi	South	5.8 mph	-
3:20 PM	84.2 °F	90.9 °F	73.4 °F	70%	30.05 in	10.0 mi	South	5.8 mph	-
3:50 PM	84.2 °F	90.9 °F	73.4 °F	70%	30.04 in	10.0 mi	SSE	5.8 mph	-
4:50 PM	82.4 °F	88.2 °F	73.4 °F	74%	30.03 in	10.0 mi	ENE	15.0 mph	18.4
5:45 PM	75.2 °F	-	66.2 °F	73%	30.05 in	7.0 mi	NE	8.1 mph	-
6:10 PM	71.6 °F	-	69.8 °F	94%	30.06 in	2.5 mi	East	9.2 mph	-
6:50 PM	73.4 °F	-	73.4 °F	100%	30.08 in	8.0 mi	ENE	4.6 mph	-
7:50 PM	73.4 °F	-	71.6 °F	94%	30.07 in	10.0 mi	East	10.4 mph	-
8:50 PM	73.4 °F	-	71.6 °F	94%	30.09 in	10.0 mi	ENE	6.9 mph	-
9:20 PM	73.4 °F	-	71.6 °F	94%	30.12 in	7.0 mi	North	4.6 mph	-
9:50 PM	71.6 °F	-	69.8 °F	94%	30.12 in	10.0 mi	NNE	8.1 mph	-

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Weather History for Melbourne, FL

Thursday, March 19, 2015

Thursday, March 19, 2015

« Previous Day

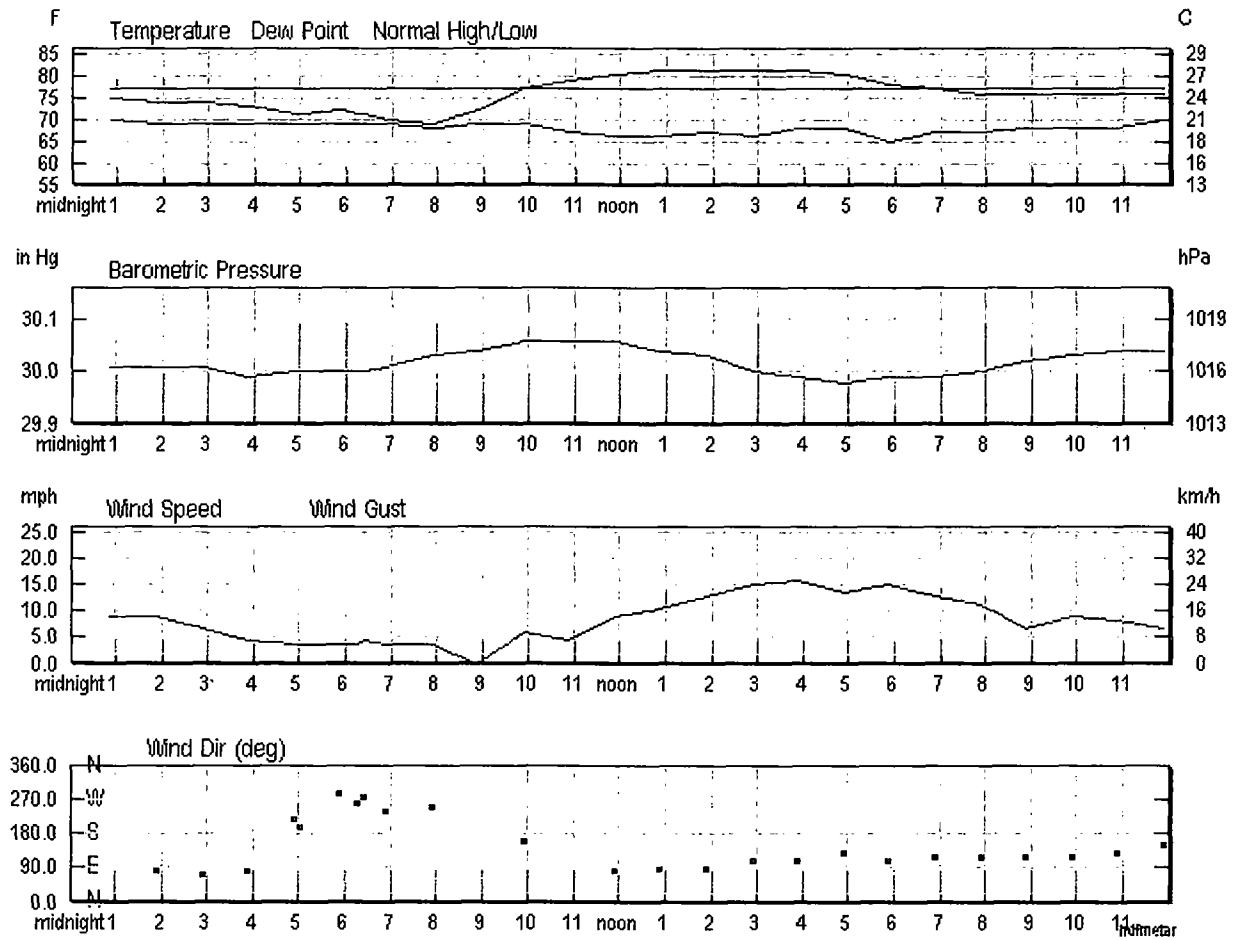
Next Day »

- Daily
- Weekly
- Monthly
- Custom

	Actual	Average	Record
Temperature			
Mean Temperature	76 °F	66 °F	
Max Temperature	82 °F	77 °F	91 °F (1963)
Min Temperature	69 °F	55 °F	42 °F (2005)
Degree Days			
Heating Degree Days	0	2	
Month to date heating degree days	1	52	
Since 1 July heating degree days	411	541	
Cooling Degree Days	11	3	
Month to date cooling degree days	164	56	
Year to date cooling degree days	262	154	
Growing Degree Days	25 (Base 50)		
Moisture			
Dew Point	68 °F		
Average Humidity	81		
Maximum Humidity	100		
Minimum Humidity	62		
Precipitation			
Precipitation	T in	0.12 in	3.22 in (1998)
Month to date precipitation	T	2.02	
Year to date precipitation	6.11	6.82	
Sea Level Pressure			
Sea Level Pressure	30.02 in		
Wind			
Wind Speed	8 mph (SE)		
Max Wind Speed	17 mph		
Max Gust Speed	20 mph		
Visibility	9 miles		
Events			

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary



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Hourly Weather History & Observations

Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust
12:53 AM	75.0 °F	-	70.0 °F	84%	30.01 in	10.0 mi	East	9.2 mph	-
1:53 AM	73.9 °F	-	69.1 °F	85%	30.01 in	10.0 mi	East	9.2 mph	-
2:53 AM	73.9 °F	-	69.1 °F	85%	30.01 in	10.0 mi	ENE	6.9 mph	-
3:53 AM	73.0 °F	-	69.1 °F	87%	29.99 in	9.0 mi	East	4.6 mph	-
4:53 AM	71.1 °F	-	69.1 °F	93%	30.00 in	8.0 mi	SW	3.5 mph	-
5:02 AM	71.1 °F	-	69.1 °F	93%	30.00 in	8.0 mi	SSW	3.5 mph	-

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Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust
5:53 AM	72.0 °F	-	69.1 °F	91%	30.00 in	7.0 mi	WNW	3.5 mph	-
6:16 AM	71.1 °F	-	69.1 °F	93%	30.00 in	7.0 mi	West	3.5 mph	-
6:23 AM	71.1 °F	-	69.1 °F	93%	30.00 in	7.0 mi	West	4.6 mph	-
6:53 AM	70.0 °F	-	69.1 °F	97%	30.01 in	6.0 mi	WSW	3.5 mph	-
7:53 AM	69.1 °F	-	68.0 °F	96%	30.03 in	4.0 mi	WSW	3.5 mph	-
8:53 AM	72.0 °F	-	69.1 °F	91%	30.04 in	7.0 mi	Calm	Calm	-
9:53 AM	77.0 °F	-	69.1 °F	76%	30.06 in	10.0 mi	SSE	5.8 mph	-
10:53 AM	79.0 °F	-	66.9 °F	66%	30.06 in	10.0 mi	Variable	4.6 mph	-
11:53 AM	80.1 °F	82.1 °F	66.0 °F	62%	30.06 in	10.0 mi	East	9.2 mph	-
12:53 PM	81.0 °F	83.0 °F	66.0 °F	60%	30.04 in	10.0 mi	East	10.4 mph	-
1:53 PM	81.0 °F	83.3 °F	66.9 °F	62%	30.03 in	10.0 mi	East	12.7 mph	-
2:53 PM	81.0 °F	83.0 °F	66.0 °F	60%	30.00 in	10.0 mi	ESE	15.0 mph	-
3:53 PM	81.0 °F	83.8 °F	68.0 °F	65%	29.99 in	10.0 mi	ESE	16.1 mph	-
4:53 PM	80.1 °F	82.7 °F	68.0 °F	67%	29.98 in	10.0 mi	SE	13.8 mph	-
5:53 PM	78.1 °F	-	64.9 °F	64%	29.99 in	10.0 mi	ESE	15.0 mph	-
6:53 PM	77.0 °F	-	66.9 °F	71%	29.99 in	10.0 mi	ESE	12.7 mph	-
7:53 PM	75.9 °F	-	66.9 °F	74%	30.00 in	10.0 mi	ESE	11.5 mph	-
8:53 PM	75.9 °F	-	68.0 °F	76%	30.02 in	10.0 mi	ESE	6.9 mph	-
9:53 PM	75.9 °F	-	68.0 °F	76%	30.03 in	10.0 mi	ESE	9.2 mph	-
10:53 PM	75.9 °F	-	68.0 °F	76%	30.04 in	10.0 mi	SE	8.1 mph	-
11:53 PM	75.9 °F	-	70.0 °F	82%	30.04 in	10.0 mi	SSE	6.9 mph	-

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Weather History for Melbourne, FL

Wednesday, March 18, 2015

Wednesday, March 18, 2015

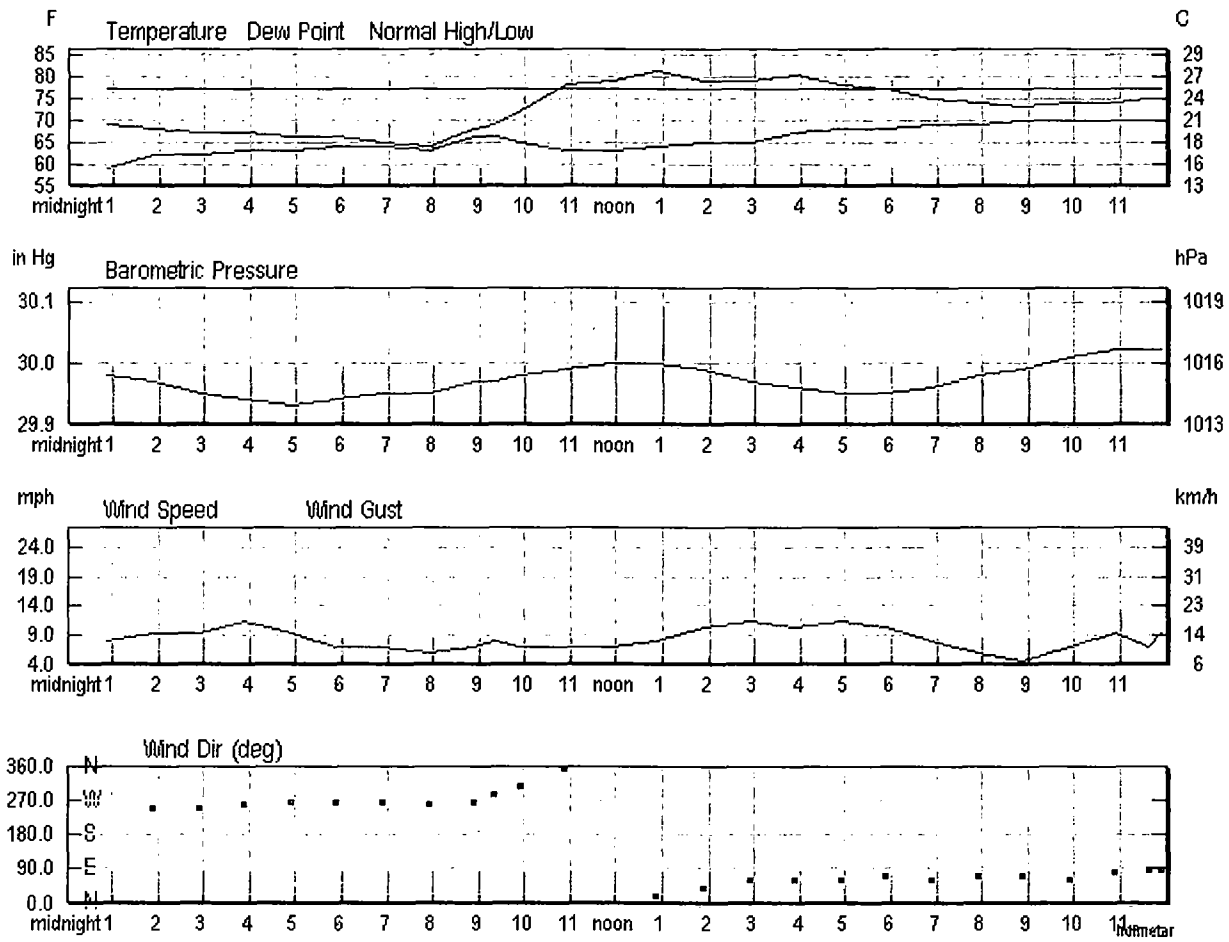
« Previous Day

Next Day »

	Actual	Average	Record
Temperature			
Mean Temperature	73 °F	66 °F	
Max Temperature	81 °F	77 °F	90 °F (1965)
Min Temperature	64 °F	55 °F	39 °F (1988)
Degree Days			
Heating Degree Days	0	2	
Month to date heating degree days	1	50	
Since 1 July heating degree days	411	539	
Cooling Degree Days	8	3	
Month to date cooling degree days	153	53	
Year to date cooling degree days	251	151	
Growing Degree Days	22 (Base 50)		
Moisture			
Dew Point	66 °F		
Average Humidity	79		
Maximum Humidity	100		
Minimum Humidity	58		
Precipitation			
Precipitation	0.00 in	0.11 in	1.95 in (1942)
Month to date precipitation	T	1.90	
Year to date precipitation	6.11	6.70	
Sea Level Pressure			
Sea Level Pressure	29.97 in		
Wind			
Wind Speed	8 mph (North)		
Max Wind Speed	13 mph		
Max Gust Speed	18 mph		
Visibility	9 miles		
Events			

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary



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Hourly Weather History & Observations

Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust
12:53 AM	69.1 °F	-	59.0 °F	70%	29.98 in	10.0 mi	West	8.1 mph	-
1:53 AM	68.0 °F	-	62.1 °F	81%	29.97 in	10.0 mi	WSW	9.2 mph	-
2:53 AM	66.9 °F	-	62.1 °F	84%	29.95 in	10.0 mi	WSW	9.2 mph	-
3:53 AM	66.9 °F	-	63.0 °F	87%	29.94 in	10.0 mi	West	11.5 mph	-
4:53 AM	66.0 °F	-	63.0 °F	90%	29.93 in	8.0 mi	West	9.2 mph	-
5:53 AM	66.0 °F	-	64.0 °F	93%	29.94 in	8.0 mi	West	6.9 mph	-
6:53 AM	64.9 °F	-	64.0 °F	97%	29.95 in	7.0 mi	West	6.9 mph	-

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Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust
7:53 AM	64.0 °F	-	63.0 °F	96%	29.95 in	5.0 mi	West	5.8 mph	-
8:53 AM	68.0 °F	-	66.0 °F	93%	29.97 in	7.0 mi	West	6.9 mph	-
9:18 AM	69.1 °F	-	66.0 °F	90%	29.97 in	9.0 mi	WNW	8.1 mph	-
9:53 AM	72.0 °F	-	64.9 °F	78%	29.98 in	10.0 mi	NW	6.9 mph	-
10:53 AM	78.1 °F	-	63.0 °F	60%	29.99 in	10.0 mi	North	6.9 mph	-
11:53 AM	79.0 °F	-	63.0 °F	58%	30.00 in	10.0 mi	Variable	6.9 mph	-
12:53 PM	81.0 °F	82.5 °F	64.0 °F	56%	30.00 in	10.0 mi	NNE	8.1 mph	-
1:53 PM	79.0 °F	-	64.9 °F	62%	29.99 in	10.0 mi	NE	10.4 mph	17.3
2:53 PM	79.0 °F	-	64.9 °F	62%	29.97 in	10.0 mi	ENE	11.5 mph	-
3:53 PM	80.1 °F	82.3 °F	66.9 °F	64%	29.96 in	10.0 mi	ENE	10.4 mph	-
4:53 PM	78.1 °F	-	68.0 °F	71%	29.95 in	10.0 mi	ENE	11.5 mph	-
5:53 PM	77.0 °F	-	68.0 °F	74%	29.95 in	10.0 mi	ENE	10.4 mph	-
6:53 PM	75.0 °F	-	69.1 °F	82%	29.96 in	6.0 mi	ENE	8.1 mph	-
7:53 PM	73.9 °F	-	69.1 °F	85%	29.98 in	6.0 mi	ENE	5.8 mph	-
8:53 PM	73.0 °F	-	70.0 °F	90%	29.99 in	9.0 mi	ENE	4.6 mph	-
9:53 PM	73.9 °F	-	70.0 °F	87%	30.01 in	10.0 mi	ENE	6.9 mph	-
10:53 PM	73.9 °F	-	70.0 °F	87%	30.02 in	10.0 mi	East	9.2 mph	-
11:37 PM	75.0 °F	-	70.0 °F	84%	30.02 in	10.0 mi	East	6.9 mph	-
11:53 PM	75.0 °F	-	70.0 °F	84%	30.02 in	10.0 mi	East	9.2 mph	-

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Weather History for Melbourne, FL

Monday, February 9, 2015

Monday, February 9, 2015

« Previous Day

February 9 2015 View

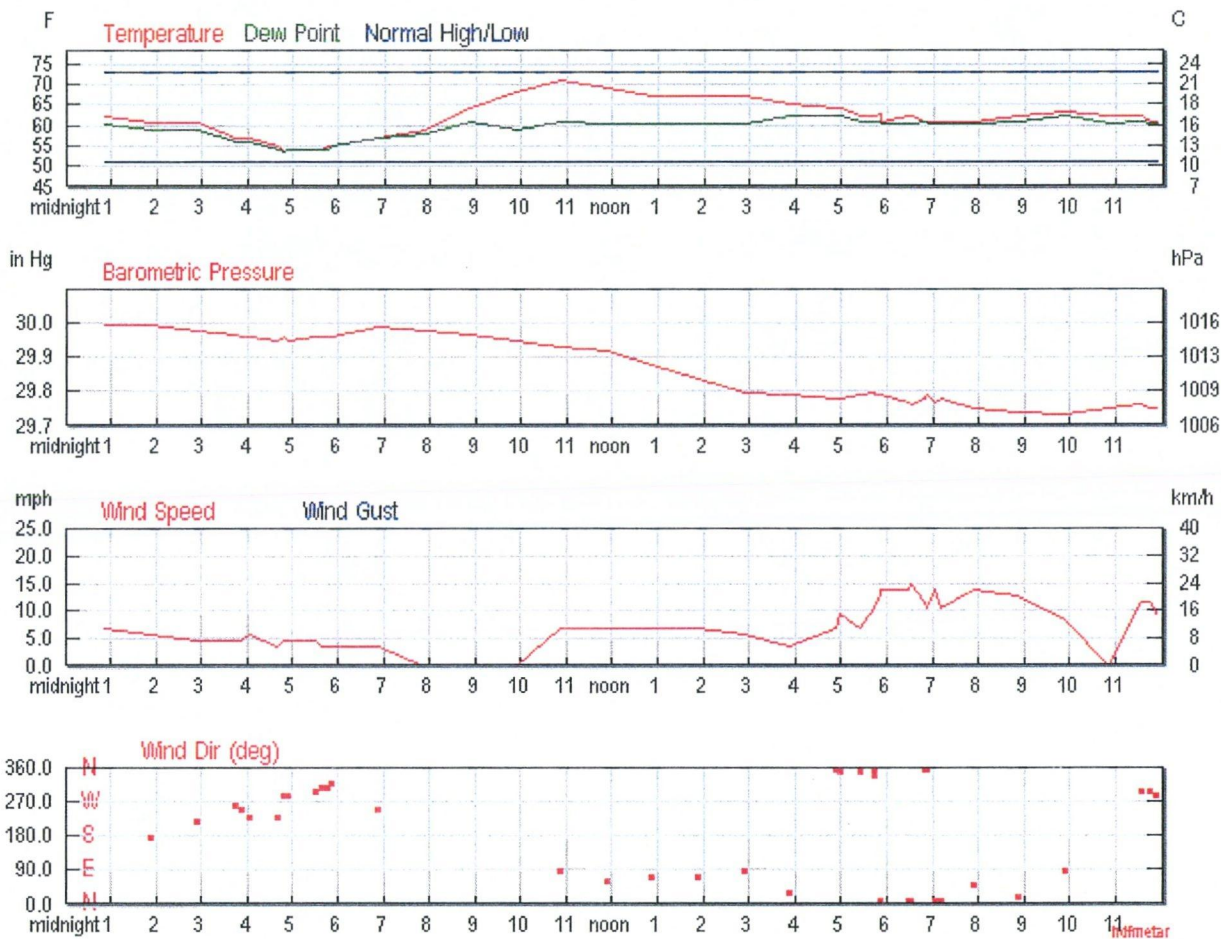
Next Day »

Daily Weekly Monthly Custom

	Actual	Average	Record
Temperature			
Mean Temperature	17 °C	17 °C	
Max Temperature	22 °C	23 °C	30 °C (1982)
Min Temperature	12 °C	11 °C	-1 °C (1995)
Degree Days			
Heating Degree Days	2	5	
Month to date heating degree days	33	45	
Since 1 July heating degree days	301	414	
Cooling Degree Days	0	2	
Month to date cooling degree days	3	18	
Year to date cooling degree days	70	62	
Growing Degree Days	12 (Base 50)		
Moisture			
Dew Point	15 °C		
Average Humidity	84		
Maximum Humidity	100		
Minimum Humidity	68		
Precipitation			
Precipitation	26.42 mm	2.03 mm	5.13 mm (1967)
Month to date precipitation	2.27	0.78	
Year to date precipitation	4.75	3.05	
Sea Level Pressure			
Sea Level Pressure	1011 hPa		
Wind			
Wind Speed	10 km/h (NNW)		
Max Wind Speed	27 km/h		
Max Gust Speed	34 km/h		
Visibility	9 kilometers		
Events	Rain , Thunderstorm		

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary



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Hourly Weather History & Observations

Time (EST)	Temp.	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Pre
12:53 AM	16.7 °C	15.6 °C	93%	1015.9 hPa	16.1 km	South	11.1 km/h / 3.1 m/s	-	N/A
1:53 AM	16.1 °C	15.0 °C	93%	1015.7 hPa	16.1 km	South	9.3 km/h / 2.6 m/s	-	N/A
2:53 AM	16.1 °C	15.0 °C	93%	1015.0 hPa	16.1 km	SW	7.4 km/h / 2.1 m/s	-	N/A
3:44 AM	13.9 °C	13.3 °C	96%	1014.8 hPa	2.8 km	West	7.4 km/h / 2.1 m/s	-	N/A
3:53 AM	13.9 °C	13.3 °C	96%	1014.6 hPa	4.0 km	WSW	7.4 km/h / 2.1 m/s	-	N/A

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Time (EST)	Temp.	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Pre
4:04 AM	13.9 °C	13.3 °C	96%	1014.4 hPa	8.0 km	SW	9.3 km/h / 2.6 m/s	-	N/A
4:40 AM	12.8 °C	12.2 °C	96%	1014.1 hPa	2.8 km	SW	5.6 km/h / 1.5 m/s	-	N/A
4:49 AM	12.0 °C	12.0 °C	100%	1014.4 hPa	1.2 km	WNW	7.4 km/h / 2.1 m/s	-	N/A
4:53 AM	12.2 °C	12.2 °C	100%	1014.2 hPa	1.2 km	WNW	7.4 km/h / 2.1 m/s	-	N/A
5:32 AM	12.2 °C	12.2 °C	100%	1014.4 hPa	1.2 km	WNW	7.4 km/h / 2.1 m/s	-	N/A
5:39 AM	12.2 °C	12.2 °C	100%	1014.4 hPa	2.0 km	NW	5.6 km/h / 1.5 m/s	-	N/A
5:46 AM	12.8 °C	12.2 °C	96%	1014.4 hPa	4.8 km	NW	5.6 km/h / 1.5 m/s	-	N/A
5:53 AM	12.8 °C	12.8 °C	100%	1014.5 hPa	11.3 km	NW	5.6 km/h / 1.5 m/s	-	N/A
6:53 AM	13.9 °C	13.9 °C	100%	1015.3 hPa	16.1 km	WSW	5.6 km/h / 1.5 m/s	-	N/A
7:53 AM	15.0 °C	14.4 °C	96%	1015.2 hPa	16.1 km	Calm	Calm	-	N/A
8:53 AM	17.8 °C	16.1 °C	90%	1014.8 hPa	16.1 km	Calm	Calm	-	N/A
9:53 AM	20.0 °C	15.0 °C	73%	1014.2 hPa	16.1 km	Calm	Calm	-	N/A
10:53 AM	21.7 °C	16.1 °C	70%	1013.5 hPa	16.1 km	East	11.1 km/h / 3.1 m/s	-	N/A
11:53 AM	20.6 °C	15.6 °C	73%	1013.1 hPa	16.1 km	ENE	11.1 km/h / 3.1 m/s	-	N/A
12:53 PM	19.4 °C	15.6 °C	79%	1011.8 hPa	16.1 km	ENE	11.1 km/h / 3.1 m/s	-	N/A
1:53 PM	19.4 °C	15.6 °C	79%	1010.3 hPa	16.1 km	ENE	11.1 km/h / 3.1 m/s	-	N/A
2:53 PM	19.4 °C	15.6 °C	79%	1009.1 hPa	16.1 km	East	9.3 km/h / 2.6 m/s	-	N/A
3:53 PM	18.3 °C	16.7 °C	90%	1008.8 hPa	4.0 km	NNE	5.6 km/h / 1.5 m/s	-	3.0
4:53 PM	17.8 °C	16.7 °C	93%	1008.3 hPa	3.2 km	North	11.1 km/h / 3.1 m/s	-	3.0
5:00 PM	17.8 °C	16.7 °C	93%	1008.4 hPa	3.2 km	North	14.8 km/h / 4.1 m/s	-	0.8
5:26 PM	16.7 °C	16.1 °C	96%	1008.7 hPa	3.2 km	North	11.1 km/h / 3.1 m/s	-	3.8

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Time (EST)	Temp.	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Pre
5:43 PM	16.7 °C	16.1 °C	96%	1009.0 hPa	3.2 km	NNW	16.7 km/h / 4.6 m/s	-	6.6
5:45 PM	16.7 °C	16.1 °C	96%	1008.7 hPa	2.8 km	North	16.7 km/h / 4.6 m/s	-	7.6
5:51 PM	17.0 °C	16.0 °C	94%	1008.7 hPa	3.2 km	North	20.4 km/h / 5.7 m/s	-	8.4
5:53 PM	16.1 °C	15.6 °C	97%	1008.7 hPa	4.0 km	North	22.2 km/h / 6.2 m/s	-	8.6
6:30 PM	16.7 °C	15.6 °C	93%	1008.0 hPa	3.2 km	North	22.2 km/h / 6.2 m/s	-	1.8
6:33 PM	16.7 °C	15.6 °C	93%	1007.7 hPa	3.2 km	North	24.1 km/h / 6.7 m/s	-	1.8
6:50 PM	16.0 °C	16.0 °C	100%	1008.4 hPa	9.7 km	North	18.5 km/h / 5.1 m/s	-	2.0
6:53 PM	16.1 °C	15.6 °C	97%	1008.6 hPa	9.7 km	North	16.7 km/h / 4.6 m/s	-	2.0
7:04 PM	16.1 °C	15.6 °C	97%	1008.0 hPa	4.0 km	North	22.2 km/h / 6.2 m/s	-	2.0
7:12 PM	16.1 °C	15.6 °C	97%	1008.4 hPa	8.0 km	North	16.7 km/h / 4.6 m/s	-	2.0
7:53 PM	16.1 °C	15.6 °C	97%	1007.2 hPa	6.4 km	NE	22.2 km/h / 6.2 m/s	-	5.3
8:53 PM	16.7 °C	16.1 °C	96%	1007.1 hPa	14.5 km	NNE	20.4 km/h / 5.7 m/s	-	1.8
9:53 PM	17.2 °C	16.7 °C	97%	1006.7 hPa	9.7 km	East	13.0 km/h / 3.6 m/s	-	2.5
10:53 PM	16.7 °C	15.6 °C	93%	1007.2 hPa	16.1 km	Calm	Calm	-	0.0
11:36 PM	16.7 °C	16.1 °C	96%	1007.7 hPa	14.5 km	WNW	18.5 km/h / 5.1 m/s	-	N/A
11:46 PM	16.1 °C	15.6 °C	97%	1007.3 hPa	12.9 km	WNW	18.5 km/h / 5.1 m/s	-	N/A
11:53 PM	16.1 °C	15.6 °C	97%	1007.4 hPa	14.5 km	WNW	14.8 km/h / 4.1 m/s	-	N/A

[Show full METARS](#) | [METAR FAQ](#) | [Comma Delimited File](#)

Weather History for Melbourne, FL

Monday, October 6, 2014

Monday, October 6, 2014

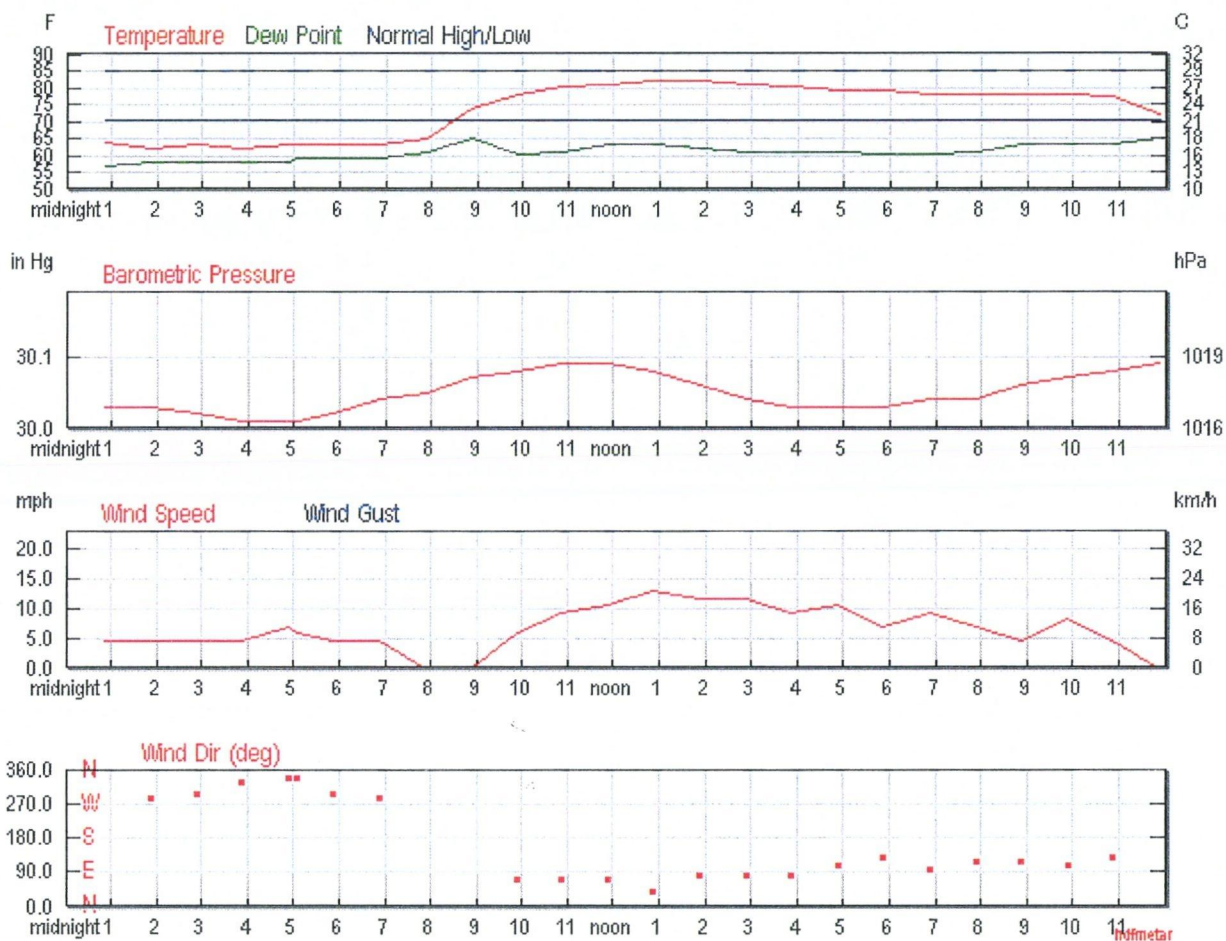
« Previous Day

Next Day »

	Actual	Average	Record
Temperature			
Mean Temperature	23 °C	26 °C	
Max Temperature	29 °C	30 °C	33 °C (2001)
Min Temperature	17 °C	22 °C	15 °C (1963)
Degree Days			
Heating Degree Days	0	0	
Month to date heating degree days	0	0	
Since 1 July heating degree days	0	0	
Cooling Degree Days	9	13	
Month to date cooling degree days	79	82	
Year to date cooling degree days	3045	2774	
Growing Degree Days	22 (Base 50)		
Moisture			
Dew Point	17 °C		
Average Humidity	71		
Maximum Humidity	90		
Minimum Humidity	51		
Precipitation			
Precipitation	0.00 mm	4.83 mm	7.06 mm (2004)
Month to date precipitation	0.85	1.24	
Year to date precipitation	51.21	42.73	
Sea Level Pressure			
Sea Level Pressure	1017 hPa		
Wind			
Wind Speed	10 km/h (ENE)		
Max Wind Speed	23 km/h		
Max Gust Speed	29 km/h		
Visibility	16 kilometers		
Events			

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary



Certify This Report

Hourly Weather History & Observations

Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gus
12:53 AM	18.3 °C	-	14.4 °C	78%	1016.9 hPa	16.1 km	West	7.4 km/h / 2.1 m/s	-
1:53 AM	17.2 °C	-	15.0 °C	87%	1016.8 hPa	16.1 km	WNW	7.4 km/h / 2.1 m/s	-
2:53 AM	17.8 °C	-	15.0 °C	84%	1016.5 hPa	16.1 km	WNW	7.4 km/h / 2.1 m/s	-
3:53 AM	17.2 °C	-	15.0 °C	87%	1016.2 hPa	16.1 km	NNW	7.4 km/h / 2.1 m/s	-
4:53 AM	17.8 °C	-	15.0 °C	84%	1016.1 hPa	16.1 km	NNW	11.1 km/h / 3.1 m/s	-

Show full METARS | METAR FAQ | Comma Delimited File

Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gus
5:03 AM	17.8 °C	-	15.6 °C	87%	1016.1 hPa	16.1 km	NNW	9.3 km/h / 2.6 m/s	-
5:53 AM	17.8 °C	-	15.6 °C	87%	1016.6 hPa	16.1 km	WNW	7.4 km/h / 2.1 m/s	-
6:53 AM	17.8 °C	-	15.6 °C	87%	1017.2 hPa	16.1 km	WNW	7.4 km/h / 2.1 m/s	-
7:53 AM	18.9 °C	-	16.7 °C	87%	1017.5 hPa	16.1 km	Calm	Calm	-
8:53 AM	23.9 °C	-	18.9 °C	73%	1018.2 hPa	16.1 km	Calm	Calm	-
9:53 AM	26.1 °C	-	16.1 °C	54%	1018.6 hPa	16.1 km	ENE	9.3 km/h / 2.6 m/s	-
10:53 AM	27.2 °C	27.7 °C	16.7 °C	52%	1018.9 hPa	16.1 km	ENE	14.8 km/h / 4.1 m/s	-
11:53 AM	27.8 °C	28.6 °C	17.8 °C	54%	1018.9 hPa	16.1 km	ENE	16.7 km/h / 4.6 m/s	-
12:53 PM	28.3 °C	29.1 °C	17.8 °C	53%	1018.5 hPa	16.1 km	NE	20.4 km/h / 5.7 m/s	-
1:53 PM	28.3 °C	28.9 °C	17.2 °C	51%	1018.0 hPa	16.1 km	East	18.5 km/h / 5.1 m/s	-
2:53 PM	27.8 °C	28.3 °C	16.7 °C	51%	1017.0 hPa	16.1 km	East	18.5 km/h / 5.1 m/s	-
3:53 PM	27.2 °C	27.7 °C	16.7 °C	52%	1016.8 hPa	16.1 km	East	14.8 km/h / 4.1 m/s	-
4:53 PM	26.7 °C	27.4 °C	16.7 °C	54%	1016.7 hPa	16.1 km	ESE	16.7 km/h / 4.6 m/s	-
5:53 PM	26.7 °C	27.3 °C	16.1 °C	52%	1016.9 hPa	16.1 km	SE	11.1 km/h / 3.1 m/s	-
6:53 PM	26.1 °C	-	16.1 °C	54%	1017.1 hPa	16.1 km	East	14.8 km/h / 4.1 m/s	-
7:53 PM	26.1 °C	-	16.7 °C	56%	1017.0 hPa	16.1 km	ESE	11.1 km/h / 3.1 m/s	-
8:53 PM	26.1 °C	-	17.8 °C	60%	1017.8 hPa	16.1 km	ESE	7.4 km/h / 2.1 m/s	-
9:53 PM	26.1 °C	-	17.8 °C	60%	1018.3 hPa	16.1 km	ESE	13.0 km/h / 3.6 m/s	-
10:53 PM	25.6 °C	-	17.8 °C	62%	1018.5 hPa	16.1 km	SE	7.4 km/h / 2.1 m/s	-
11:53 PM	22.8 °C	-	18.9 °C	79%	1018.7 hPa	16.1 km	Calm	Calm	-

Show full METARS | METAR FAQ | Comma Delimited File

Weather History for Melbourne, FL

Thursday, October 23, 2014

Thursday, October 23, 2014

« Previous Day

October 23 2014 View

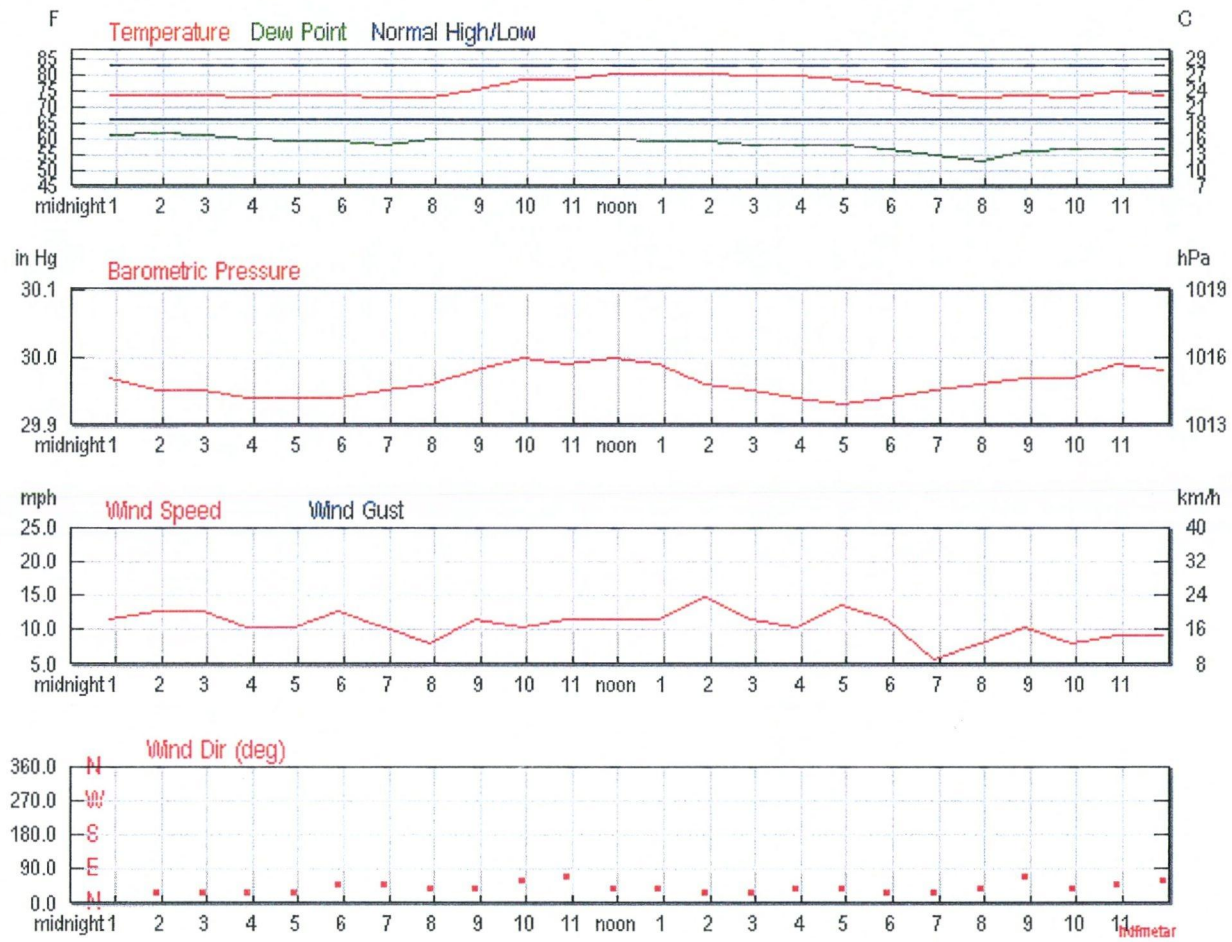
Next Day »

Daily Weekly Monthly Custom

	Actual	Average	Record
Temperature			
Mean Temperature	25 °C	23 °C	
Max Temperature	28 °C	28 °C	33 °C (1942)
Min Temperature	22 °C	19 °C	10 °C (1974)
Degree Days			
Heating Degree Days	0	0	
Month to date heating degree days	0	0	
Since 1 July heating degree days	0	0	
Cooling Degree Days	12	10	
Month to date cooling degree days	299	276	
Year to date cooling degree days	3265	2968	
Growing Degree Days	27 (Base 50)		
Moisture			
Dew Point	15 °C		
Average Humidity	57		
Maximum Humidity	68		
Minimum Humidity	45		
Precipitation			
Precipitation	0.00 mm	3.81 mm	5.84 mm (1983)
Month to date precipitation	1.78	4.09	
Year to date precipitation	52.14	45.58	
Sea Level Pressure			
Sea Level Pressure	1014 hPa		
Wind			
Wind Speed	17 km/h (NE)		
Max Wind Speed	26 km/h		
Max Gust Speed	34 km/h		
Visibility	16 kilometers		
Events			

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary



Certify This Report

Hourly Weather History & Observations

Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gus
12:53 AM	23.3 °C	-	16.1 °C	64%	1014.7 hPa	16.1 km	NNE	18.5 km/h / 5.1 m/s	-
1:53 AM	23.3 °C	-	16.7 °C	66%	1014.1 hPa	16.1 km	NNE	20.4 km/h / 5.7 m/s	-
2:53 AM	23.3 °C	-	16.1 °C	64%	1014.0 hPa	16.1 km	NNE	20.4 km/h / 5.7 m/s	-
3:53 AM	22.8 °C	-	15.6 °C	64%	1013.9 hPa	16.1 km	NNE	16.7 km/h / 4.6 m/s	-
4:53 AM	23.3 °C	-	15.0 °C	59%	1013.9 hPa	16.1 km	NNE	16.7 km/h / 4.6 m/s	-

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Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gus
5:53 AM	23.3 °C	-	15.0 °C	59%	1013.8 hPa	16.1 km	NE	20.4 km/h / 5.7 m/s	-
6:53 AM	22.8 °C	-	14.4 °C	59%	1014.1 hPa	16.1 km	NE	16.7 km/h / 4.6 m/s	-
7:53 AM	22.8 °C	-	15.6 °C	64%	1014.6 hPa	16.1 km	NE	13.0 km/h / 3.6 m/s	-
8:53 AM	24.4 °C	-	15.6 °C	58%	1015.2 hPa	16.1 km	NE	18.5 km/h / 5.1 m/s	-
9:53 AM	26.1 °C	-	15.6 °C	52%	1015.7 hPa	16.1 km	ENE	16.7 km/h / 4.6 m/s	-
10:53 AM	26.1 °C	-	15.6 °C	52%	1015.6 hPa	16.1 km	ENE	18.5 km/h / 5.1 m/s	-
11:53 AM	27.2 °C	27.5 °C	15.6 °C	49%	1015.7 hPa	16.1 km	NE	18.5 km/h / 5.1 m/s	-
12:53 PM	27.2 °C	27.4 °C	15.0 °C	47%	1015.5 hPa	16.1 km	NE	18.5 km/h / 5.1 m/s	-
1:53 PM	27.2 °C	27.4 °C	15.0 °C	47%	1014.6 hPa	16.1 km	NNE	24.1 km/h / 6.7 m/s	-
2:53 PM	26.7 °C	27.0 °C	14.4 °C	47%	1014.2 hPa	16.1 km	NNE	18.5 km/h / 5.1 m/s	-
3:53 PM	26.7 °C	27.0 °C	14.4 °C	47%	1013.8 hPa	16.1 km	NE	16.7 km/h / 4.6 m/s	-
4:53 PM	26.1 °C	-	14.4 °C	48%	1013.5 hPa	16.1 km	NE	22.2 km/h / 6.2 m/s	-
5:53 PM	25.0 °C	-	13.9 °C	50%	1013.7 hPa	16.1 km	NNE	18.5 km/h / 5.1 m/s	-
6:53 PM	23.3 °C	-	12.8 °C	52%	1014.0 hPa	16.1 km	NNE	9.3 km/h / 2.6 m/s	-
7:53 PM	22.8 °C	-	11.7 °C	49%	1014.4 hPa	16.1 km	NE	13.0 km/h / 3.6 m/s	-
8:53 PM	23.3 °C	-	13.3 °C	53%	1014.7 hPa	16.1 km	ENE	16.7 km/h / 4.6 m/s	-
9:53 PM	22.8 °C	-	13.9 °C	57%	1014.9 hPa	16.1 km	NE	13.0 km/h / 3.6 m/s	-
10:53 PM	23.9 °C	-	13.9 °C	53%	1015.3 hPa	16.1 km	NE	14.8 km/h / 4.1 m/s	-
11:53 PM	23.3 °C	-	13.9 °C	55%	1015.2 hPa	16.1 km	ENE	14.8 km/h / 4.1 m/s	-

[Show full METARS](#) | [METAR FAQ](#) | [Comma Delimited File](#)



Safety.
All day.
Every day.

JED Landfill

Odor Management Plan

Compliant Investigation

Location: _____

Date: _____

Time of Investigation: _____

Name of Inspector: _____

Weather conditions at the time of the survey:

Temperature : _____

Barometric Pressure: _____

Wind Direction: _____

Wind Speed: _____

Precipitation: _____

Humidity: _____

Observation:

Possible Odors



Trip to:

4201 N Canoe Creek Rd

Kenansville, FL 34739-9546

31.45 miles / 35 minutes

Estimated Fuel Cost: **\$4.01**

Notes

4 Ways to Avoid Running Out of Money During Retirement


If you have a \$500,000 portfolio, download the guide by *Forbes* columnist Ken Fisher's firm. Even if you have something else in place, this must-read guide includes research and analysis you can use right now. Don't miss it!

[Click Here to Download Your Guide!](#)


FISHER INVESTMENTS'


A 1501 Omni Way, St Cloud, FL 34773-9177

Download Free App


- 

1. Start out going east on Omni Way toward US-441 S / N Kenansville Rd. [Map](#) 1.3 Mi

1.3 Mi Total
- 


 2. Turn right onto N Kenansville Rd / US-441 S. [Map](#) 12.8 Mi

14.1 Mi Total

If you are on US-441 S and reach Crews Ln you've gone about 0.1 miles too far
- 

3. Turn right onto S Canoe Creek Rd / County Hwy-523. [Map](#) 14.7 Mi

28.8 Mi Total

S Canoe Creek Rd is 0.1 miles past Rutledge Ave
If you are on S Kenansville Rd and reach Fellsmere Rd you've gone about 0.3 miles too far
- 


4. 3497 N CANOE CREEK RD is on the right. [Map](#)

If you reach Joe Overstreet Rd you've gone about 0.4 miles too far


A to B Travel Estimate: 28.77 mi - about 32 minutes

B 3497 N Canoe Creek Rd, Kenansville, FL 34739-9536

Dennis Crawford

- 

1. Start out going northwest on N Canoe Creek Rd / County Hwy-523 toward Joe Overstreet Rd. [Map](#) 2.7 Mi

31.5 Mi Total
- 

2. 4201 N CANOE CREEK RD. [Map](#)

Your destination is 0.9 miles past Wheeler Rd
If you reach Bar 7 Ranch Rd you've gone about 3.8 miles too far

B to C Travel Estimate: 2.68 mi - about 2 minutes

C 4201 N Canoe Creek Rd, Kenansville, FL 34739-9546

*Cal - Maine
Chicken Farm*

Total Travel Estimate: **31.45 miles - about 35 minutes**

Estimated Fuel Cost: **\$4.01**



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bing Maps

4201 N Canoe Creek Rd, Kenansville, FL 34739

My Notes



Bird's eye view maps can't be printed, so another map view has been substituted.



Trip to:

4189 N Canoe Creek Rd

Kenansville, FL 34739-9556

1.96 miles / 2 minutes

Estimated Fuel Cost: \$.21

Notes

Notes area (empty)

4 Ways to Avoid Running Out of Money During Retirement

If you have a \$500,000 portfolio, download the guide by *Forbes* columnist Ken Fisher's firm. Even if you have something else in place, this must-read guide includes research and analysis you can use right now. Don't miss it!

[Click Here to Download Your Guide!](#)

FISHER INVESTMENTS'



3479 N Canoe Creek Rd, Kenansville, FL 34739-9536

Download Free App



1. Start out going northwest on N Canoe Creek Rd / County Hwy-523 toward Joe Overstreet Rd. [Map](#)

2.0 Mi

2.0 Mi Total

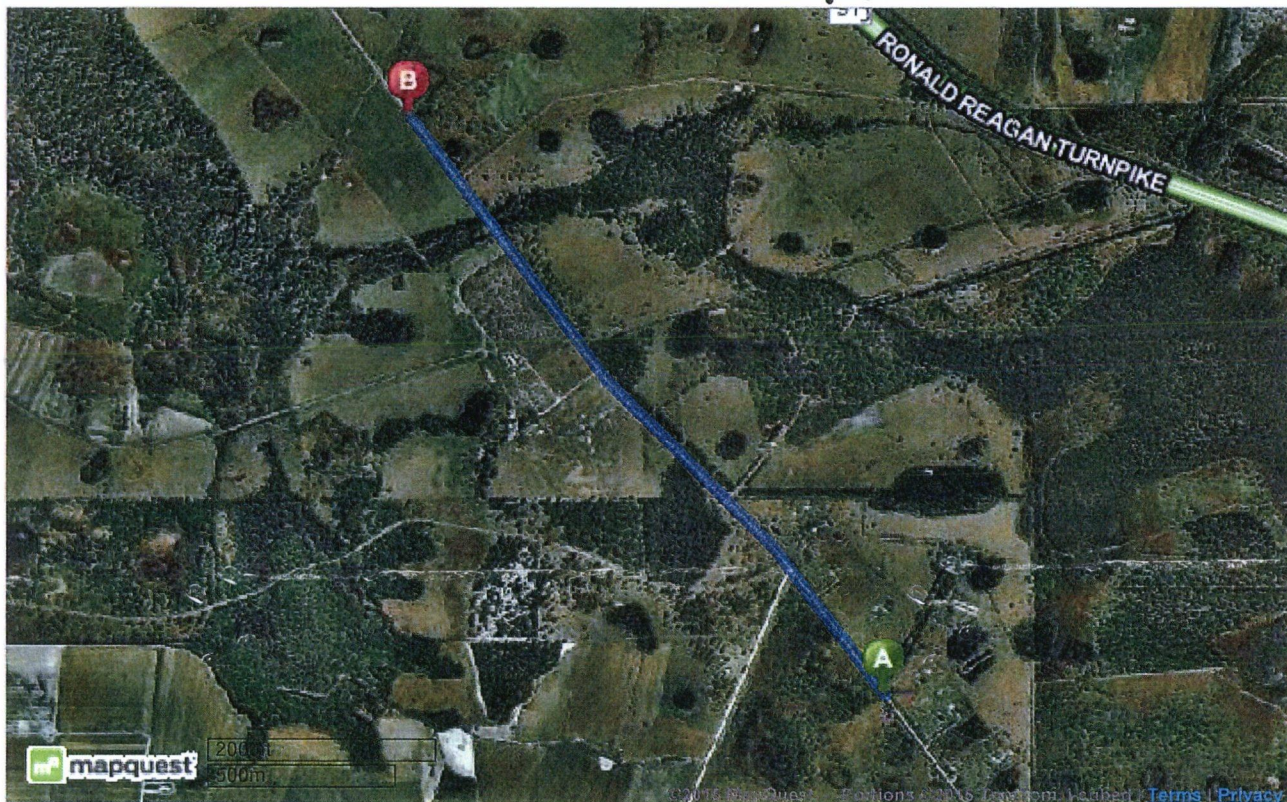


2. 4189 N CANOE CREEK RD is on the right. [Map](#)
Your destination is 0.2 miles past Wheeler Rd



4189 N Canoe Creek Rd, Kenansville, FL 34739-9556

Total Travel Estimate: **1.96 miles - about 2 minutes**
Estimated Fuel Cost: **\$.21**



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S



Trip to:

3650 N Canoe Creek Rd

Kenansville, FL 34739-9688

1.28 miles / 1 minute

Estimated Fuel Cost: \$.14

Notes

Notes area (dotted border)

4 Ways to Avoid Running Out of Money During Retirement

If you have a \$500,000 portfolio, download the guide by *Forbes* columnist Ken Fisher's firm. Even if you have something else in place, this must-read guide includes research and analysis you can use right now. Don't miss it!

[Click Here to Download Your Guide!](#)

FISHER INVESTMENTS'



3479 N Canoe Creek Rd, Kenansville, FL 34739-9536

Download Free App



1. Start out going northwest on N Canoe Creek Rd / County Hwy-523 toward Joe Overstreet Rd. [Map](#)

1.3 Mi

1.3 Mi Total



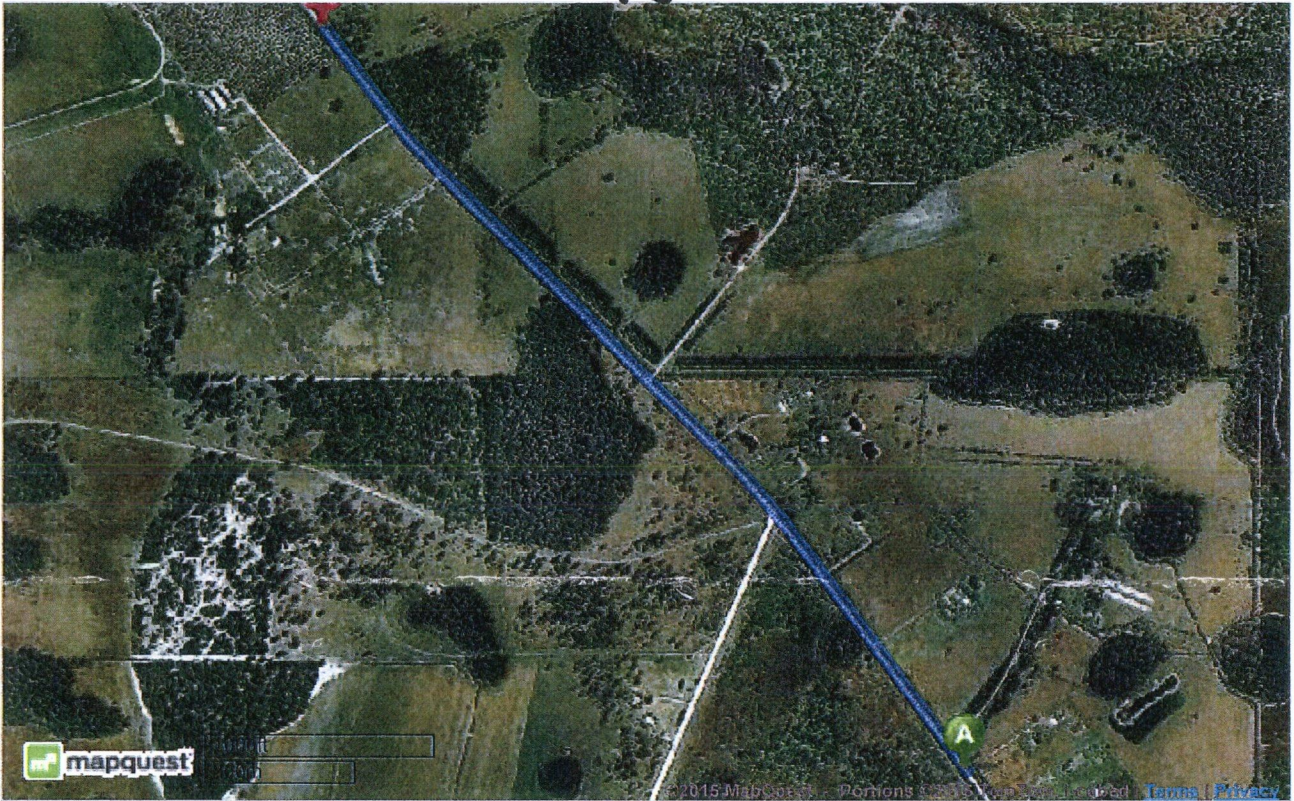
2. **3650 N CANOE CREEK RD.** [Map](#)

*Your destination is 0.8 miles past Joe Overstreet Rd
If you reach Wheeler Rd you've gone about 0.4 miles too far*



3650 N Canoe Creek Rd, Kenansville, FL 34739-9688

Total Travel Estimate: **1.28 miles - about 1 minute**
Estimated Fuel Cost: **\$.14**



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Canoe Creek Rd

FLR10FU53	CANOE CREEK RD & BRIDGE REPLACEMENT	OSCEOLA	5901 N Canoe Creek Rd	KENANSVILLE	NPDES_SW	NPDES_SW
FLR10ER47	KENANSVILLE LIBRARY	OSCEOLA	Canoe Creek Rd	KENANSVILLE	NPDES_SW	NPDES_SW
FLA556823	LUCKY L RANCH	OSCEOLA	701 N Canoe Creek Rd	KENANSVILLE	WW	WW
FLA556726	LUCKY L RANCH	OSCEOLA	701 N Canoe Creek Rd	KENANSVILLE	WW	WW
FLA318647	DOUBLE C BAR RANCH	OSCEOLA	3650 N Canoe Creek Rd	KENANSVILLE	WW	WW
ERP_320503	LUCKY L RANCH MITIGATION BANK	OSCEOLA	CANOE CREEK RD	KENANSVILLE	ERP	ERP_PA
9813526	CAL-MAINE FOODS INC-KENANSVILLE	OSCEOLA	4201 N CANOE CREEK RD	KENANSVILLE	TK	TK
9808646	OSCEOLA CNTY FIRE STATION #57	OSCEOLA	1130 S CANOE CREEK RD	KENANSVILLE	TK	TK
9802072	LEVEL 3 COMMUNICATIONS-KENANSVILLE ILA	OSCEOLA	390 S CANOE CREEK RD	KENANSVILLE	TK	TK
9602618	HILLANDALE FARMS INC	OSCEOLA	4189 N CANOE CREEK RD	KENANSVILLE	TK	TK
9103490	WAVERLY CO-OP MARIAN GROVES #213	OSCEOLA	CANOE CREEK RD	KENANSVILLE	TK	TK
8945425	GRIFFIS C B	OSCEOLA	705 S CANOE CREEK RD	KENANSVILLE	TK	TK
8341820	DOUG PARTIN	OSCEOLA	925 N CANOE CREEK RD	KENANSVILLE	TK	TK
8840678	LUCKY L RANCH	OSCEOLA	SR 523 -CANOE CREEK RD	KENANSVILLE	TK	TK
8734352	ORLANDO CELLULAR TELEPHONE CO-MARION	OSCEOLA	8901 CANOE CREEK RD	KENANSVILLE	TK	TK
8732837	H & H SOD CO INC	OSCEOLA	4699 N CANOE CREEK RD	KENANSVILLE	TK	TK
3494337	JEFFRIES ELEM SCHOOL ANNEX	OSCEOLA	CANOE CREEK RD	KENANSVILLE	Potable Water Systems	NONTRANSIENT NONCOMMUNITY

NPDES - National Pollutant Discharge Elimination System
 WW - Water Works or Waste Water
 TK - Tank



Trip to:

1178 S Canoe Creek Rd

Kenansville, FL 34739-9505

14.05 miles / 16 minutes

Notes

Rest In Peace

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Life Insurance Policy For
\$21/Month

18-25	<i>Click Your Age:</i>	OVER 75
26-35		66-75
36-45		56-65
	46-55	

Calculate New Payment

mbinsurance.com



3497 N Canoe Creek Rd, Kenansville, FL 34739-9536

Download
Free App



1. Start out going southeast on N Canoe Creek Rd / County Hwy-523 toward Williams Rd. [Map](#)

14.0 Mi

14.0 Mi Total



2. 1178 S CANOE CREEK RD is on the right. [Map](#)

Your destination is 0.2 miles past Harvey Rd

If you reach Rand Ave you've gone about 0.3 miles too far



1178 S Canoe Creek Rd, Kenansville, FL 34739-9505

Kenansville Citizen garbage drop off center. Open top containers.



Correspondence

Dan Jansen

From: Dan Jansen
Sent: Thursday, October 15, 2015 3:06 PM
To: 'Wright, Katelyn J.'
Cc: Bob Walls; DePradine, Gloria-Jean; Lawrence, Mary
Subject: RE: Dan Jansen at Progressive Waste - J.E.D. Landfill

Thank you.

Dan Jansen

Environmental Compliance Specialist

Progressive Waste Solutions

(Formerly IESI-BFC Ltd.)

E: dan.jansen@progressivewaste.com
T: 407 891 3720 EXT:3382
F: 407 891 3730
C: 321-436-0074

1501 Omni Way
St. Cloud, FL, 34773
www.progressivewaste.com

NYSE, TSX: BIN



From: Wright, Katelyn J. [<mailto:Katelyn.J.Wright@dep.state.fl.us>]
Sent: Thursday, October 15, 2015 3:03 PM
To: Dan Jansen
Cc: Bob Walls; DePradine, Gloria-Jean; Lawrence, Mary
Subject: RE: Dan Jansen at Progressive Waste - J.E.D. Landfill

Hi Dan,

Thank you for speaking with us today at JED. The visit was prompted by an odor complaint last Thursday, but we were unable to get out there sooner.

Please send a copy of the Odor Management Plan to Mary Lawrence (cc'd on this email). She is now the inspector for solid waste facilities in Osceola County.

Thank you,

Katelyn Wright
Environmental Specialist
DEP Central District Office
3319 Maguire Blvd, Suite 232
Orlando, FL 32803-3767
Katelyn.J.Wright@dep.state.fl.us

O: (407) 897-2923



From: Dan Jansen [<mailto:dan.jansen@progressivewaste.com>]
Sent: Thursday, October 15, 2015 2:48 PM
To: Wright, Katelyn J. <Katelyn.J.Wright@dep.state.fl.us>
Cc: Bob Walls <bob.walls@progressivewaste.com>
Subject: Dan Jansen at Progressive Waste - J.E.D. Landfill

Hello Katelyn,

Thanks for taking the time to speak with me today at the J.E.D. Landfill. Was your visit to the facility today prompted by an odor complaint this morning? If so, I shall document it in the facility's Odor Management Plan. I am planning on performing an 'Off - Site' Odor Survey by Mr. Crawford's residence this afternoon since the current wind is out of the North - Northwest at 9 mph.

Thanks again. Please let me know where you would like me to send a copy of the J.E.D. Landfill's Odor Management Plan.

Dan Jansen
Environmental Compliance Specialist

Progressive Waste Solutions
(Formerly IESI-BFC Ltd.)

E: dan.jansen@progressivewaste.com
T: 407 891 3720 EXT:3382
F: 407 891 3730
C: 321-436-0074

1501 Omni Way
St. Cloud, FL, 34773
www.progressivewaste.com

NYSE, TSX: BIN





Customer Service Survey

Dennis Crawford

Dennis P Crawford

Age: 50-54

Phone number

Whitepages Internal Only

407-436-0219
Embarq Florida Landline

Address

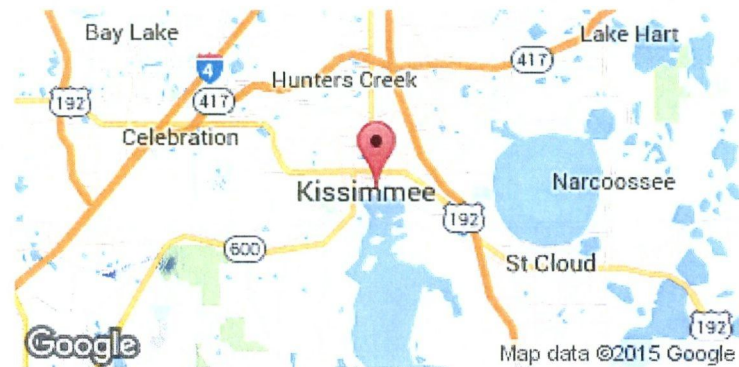
3497 N Canoe Creek Rd Kenansville, FL 34739-9536



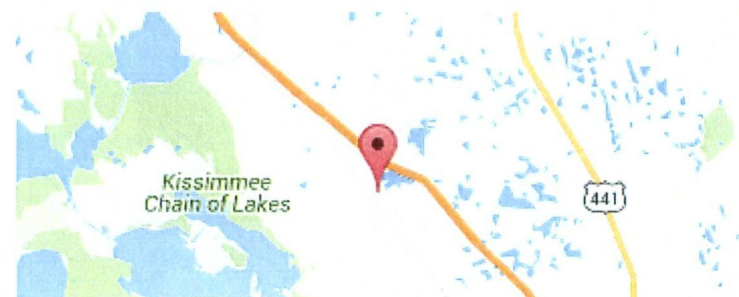
People Dennis may know

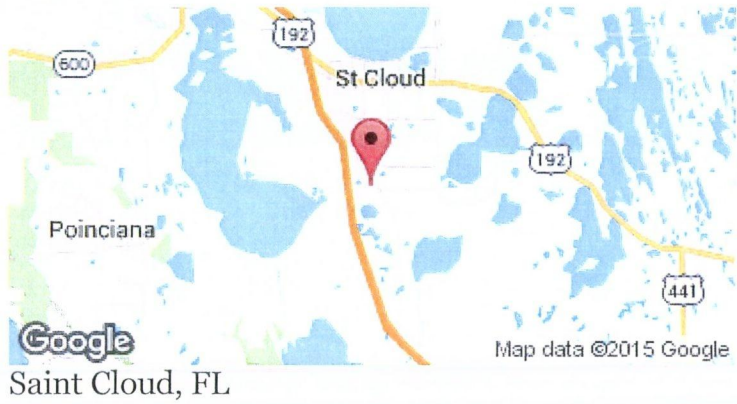
- Vemta Crawford
- Venita S Crawford

Previous locations



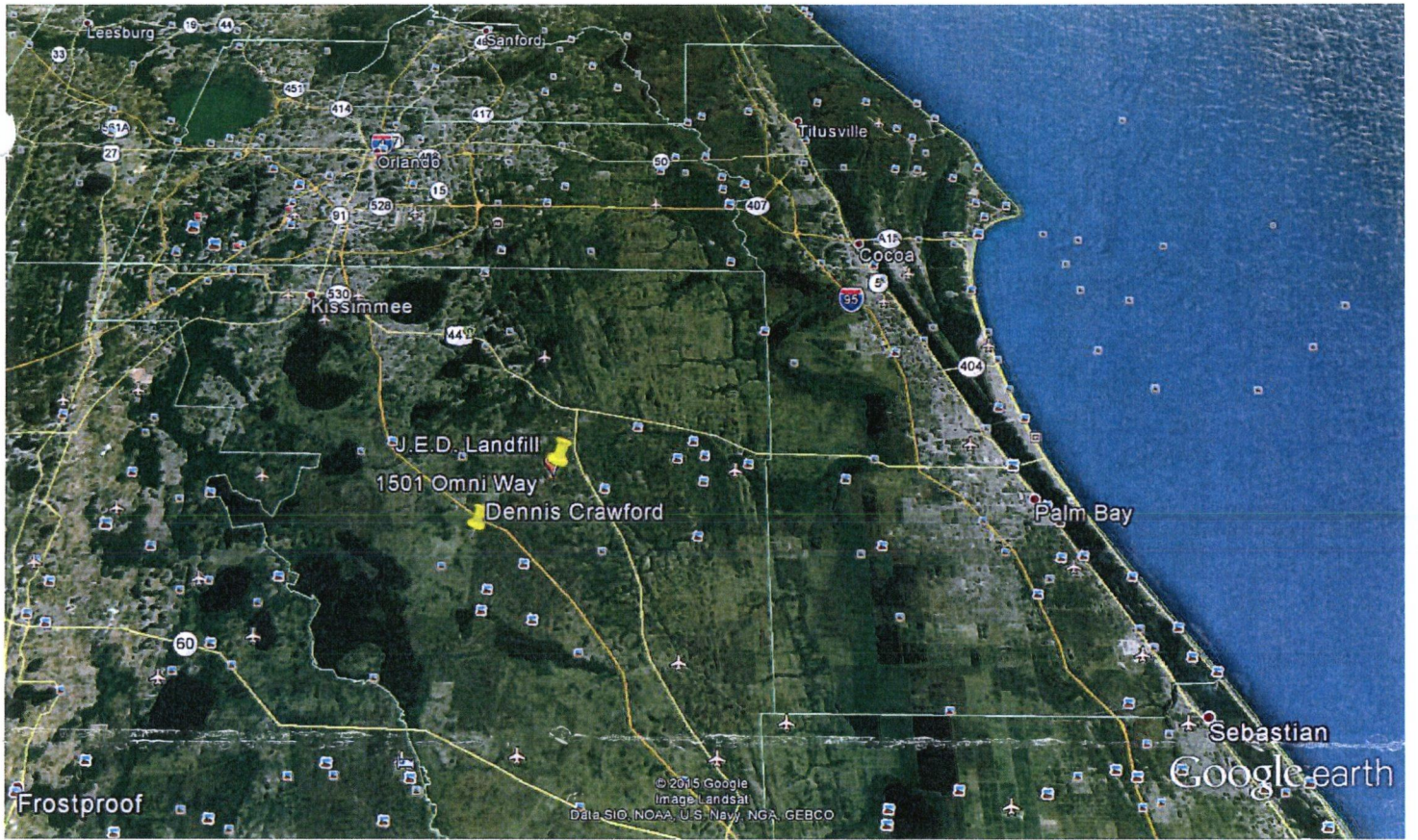
Kissimmee, FL





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ATTACHMENT C
FACILITY SITE PLANS



Google earth

miles
km





J.E.D. Landfill