

Fire Weather Services

For

Mississippi

Operating Plan

NWS Memphis, TN

NWS Jackson, MS

NWS New Orleans, LA

NWS Mobile, AL

05/12/08

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This operating plan will be semi-permanent specifying services provided by the National Weather Service in Mississippi. This plan incorporates procedures detailed in the Interagency Agreement of Meteorological Services.

Introduction

The National Weather Service offices that service portions of Mississippi will provide fire weather services for state and federal agencies and other public land management institutions for the state. The services will consist of fire weather products and support as outlined in the National Agreement for Meteorological Services, which was signed by the Departments of Commerce, Agriculture, and Interior.

The National Weather Service (NWS) will compose standard products, including fire weather planning forecasts, fire weather watches, red flag warnings, NFDRS forecasts, fire weather notification messages, and spot fire weather forecasts. Weather training and other assistance will be provided to cooperating agencies by the NWS when meteorologists are available.

Agencies served will provide the NWS needed weather observations suitable for forecasting and verification purposes as needed. Land management agencies will provide fuel and fire behavior training necessary for forecasters to understand needs of foresters and others that extinguish forest fires.

Purpose

This Operating Plan serves as the official document governing interaction and relationships between the National Weather Service offices that serve the federal, state and local land management agencies that rely on weather support in Mississippi.

Relationship between the AOP and Interagency Agreement

This Operating Plan is issued in lieu of a formal Memorandum of Understanding (MOU) between the National Weather Service, USDA Forest Service, Fish and Wildlife Service, MFC and other land management agencies that rely on fire weather support. The plan will also outline fire weather forecast operations and services available to customers. This includes products and formats, dissemination and coordination as well as customer input. The services will consist of fire weather products and support as outlined in the National Agreement for Meteorological Services, which was signed by the Departments of Commerce, Agriculture, and Interior.

This Operating Plan will be the governing document for fire weather procedures and cooperation among the following agencies:

- A. USDA Forest Service – Holly Springs Nat’l Forest, Tombigbee Nat’l Forest, Delta Nat’l Forest, Bienville Nat’l Forest, Desoto Nat’l Forest, and Hommochitto Nat’l Forest.**
- B. Mississippi Forestry Commission(MFC)**
- C. U.S. Fish and Wildlife Service**
- D. National Park Service-Natchez Trace Parkway**

Partners, Customers and Users

Partners, customers and users shall be defined as any person, agency or body which uses the products and services provided by the NWS in support of fire operations.

Service Area

And

Organizational Directory

Service Area

The service area covered by this AOP is the entire state of Mississippi.

Forecast areas are tied to the “radar umbrella” of the WSR-88D of the WSR-88D Doppler Radar. This means that forecasts are not bound by state political borders, although county borders are generally observed. For a map of the fire zones in Mississippi, see the appendix.

The MEG forecast area covers North Mississippi.

The northern Mississippi counties covered by WFO MEG (Memphis,TN) include:

Alcorn	Benton	Calhoun	Chickasaw	Coahoma
DeSoto	Itawamba	Lafayette	Lee	Marshall
Monroe	Panola	Pontotoc	Prentiss	Quitman

**Tallahatchie Tate Tippah Tishomingo Tunica
Union Yalobusha**

The JAN forecast area covers Central Mississippi.

The central Mississippi counties covered by WFO JAN (Jackson, MS) include:

**Adams Attala Bolivar Carroll Choctaw Claiborne
Clay Copiah Covington Franklin Forrest Grenada
Hinds Holmes Humphreys Issaquena Jasper Jefferson
Jefferson Davis Jones Kemper Lamar Lauderdale Lawrence
Leake Leflore Lowndes Madison Marion Neshoba
Newton Oktibbeha Rankin Scott Simpson Sharkey
Sunflower Warren Washington Webster Winston**

The LIX forecast area covers Southwest and Coastal Mississippi.

The Southwest Mississippi counties covered by WFO LIX (New Orleans, LA) include:

**Amite Hancock Harrison Jackson Pearl River Pike
Walthall Wilkinson**

The MOB forecast area covers Southeast Mississippi.

The Southeast Mississippi counties covered by WFO MOB (Mobile,AL) Include:

George Greene Perry Stone Wayne

National Weather Service Headquarters

NWS Headquarters, located in Silver Spring, Maryland, establishes policies and coordinates the national fire weather program. The national program manager coordinates the program with the regional program managers. The national program manager also works with the national headquarters of the Federal forestry and land management agencies and the Association of State Foresters in determining overall forestry and land management requirements for meteorological support. The national program manager coordinates national training in forestry and fire weather for NWS forecasters.

National Weather Service Regional Headquarters

Regional Headquarters manage the technical operational aspects of the fire weather program within each region. They also provide guidance and assistance to meteorologists-in-charge(MIC) on program operations and problems through supplements to the National Directives System (NDS) and conferences. Regional Headquarters advise National Headquarters on matters pertaining to technical planning and operations. The regional program managers coordinate the regions' fire weather programs and advise Regional Directors on the operational and administrative aspects of the regions' programs.

Weather Forecast Offices (WFO)

Weather Forecast Offices prepare and disseminate forecast products for all sectors of the population, including those for the Fire Weather program. These offices are responsible for providing forecasts for user agencies within their County Warning and Forecast Area (CWFA). Most offices have a designated fire weather focal point or fire weather program leader.

The National Weather Service Forecast Offices serving Mississippi will provide 24-hour, 365 days a year service. WFO's can be reached at:

**National Weather Service
Memphis, TN
7777 Walnut Grove Rd. OM-1
Memphis, TN 38120**

**National Weather Service
Jackson, MS
234 Weather Service Drive
Flowood, MS 39232**

**National Weather Service
New Orleans, LA
62300 Airport Rd
Slidell, LA 70460-5243**

**National Weather Service
Mobile, AL
8400 Airport Blvd Bldg 11
Mobile, AL 36608**

NOTE: Unlisted telephone numbers used for coordination cannot be listed here. All user agencies have been or will be provided voice and fax numbers to be used for official purposes only.

Meteorologists-in-Charge (MIC)

The Meteorologists-in-Charge are responsible for the provision of adequate forestry and fire weather services for the offices assigned areas of program responsibility. The MIC's will ensure that the focal points or program leaders are provided adequate time for user liaison and assistance activities.

Jim Belles, Memphis, TN

Alan Gerard, Jackson, MS

Paul Trotter, New Orleans, LA

David McShane, Mobile, AL

Program Leaders (or Focal Points)

Fire weather focal points and program leaders are the “customer service representatives” for the program. The focal points or program leaders, as representatives of the MIC's, are in regular contact with land management agencies, helping them assess their meteorological needs, informing them of NWS products and services available to meet these needs, and educating them in the most effective use of the various products and resources, including NOAA Weather Radio(NWR). Focal points and program leaders will work with users to utilize existing NWS products and services produced for other programs that could meet the requirements of wildland management. The focal points and program leaders are also tasked with ensuring staff meteorologists are trained and remain proficient in preparing forecast products for support of the fire weather program.

Michael Scotten, Memphis, TN

Marc McAllister, Jackson, MS

Phil Grigsby, New Orleans, LA

Don Faulkner, Mobile, AL

Services Provided by the National Weather Service

Basic Services

Routine Fire Weather Planning Forecasts (FWF)

NWS Memphis ,TN

NWS Jackson ,MS

NWS New Orleans ,LA

NWS Mobile, AL

Issuance

Routine Fire Weather Planning Forecasts are issued twice a day, by 0600 to 0800 LT in the morning, and preferable by 1500 LT in the afternoon (no later than 1600 LT), every day of the year. Updates will be done as conditions warrant during the day. At night updates will not be done when land managers are not on duty to utilize these forecasts.

How Forecast is Issued and Accessed

Forecasts will be issued from the Advance Weather Interactive Processing System(AWIPS) as each NWS Office, and sent over the internet web page of the respective office. Customers may then access the forecast from the appropriate web page. A secondary website to access the fire weather forecast is at (<http://fire.boi.noaa.gov/>). In the event of a web outage, the customers may call the NWS offices and have them fax to the Mississippi Coordination Center. The Center will distribute it to the appropriate State and Federal Agencies. NWS WFO's will notify customers or the Mississippi Coordination Center of nonroutine updates.

Content of the Forecast

The format of the Fire Weather Forecast is specified in the National Weather Service Directive 10-401. The forecast will start with the headline of **Red Flag Warnings or Fire Weather Watches** if they are in effect. Then it will be followed by a meteorological discussion. The forecast will then be broken down by fire weather zone groupings. The morning forecast will include three periods; today, tonight, and tomorrow. The afternoon forecast will include four periods; tonight, tomorrow, tomorrow night, and the next day.

Fire Weather Forecast (FWF) Parameter Definitions

CLOUD COVER: Represents the average sky condition over the specified area during the specified period. “Sunny” or “Clear” <10%...”Mostly Sunny” or “Mostly Clear” > or = 10% and <30%...”Partly Cloudy” or “Partly Sunny” >or = 30% and < 60%...”Mostly Cloudy” > or = 60% and <80 %...”Cloudy” > or = 80%.

CHANCE PRECIP: Represents the chance (rounded to the nearest 10%) of measurable (> or = 0.01 inches) precipitation over the specified area during the specific period.

PRECIP TYPE: Represents the predominant precipitation type over the specified area during the specified period. Note: The only exception is when showers and thunderstorms are expected, only thunderstorms will be used as the precipitation type.

PRECIP AMOUNT: Represents the precipitation amount (hundredths of an inch) whenever the chance of precipitation is > or = 20%.

PRECIP DURATION: Represents the duration of measurable precipitation (hours) when the chance of precipitation is > or = 20%.

PRECIP BEGINS OR ENDS: Represents the beginning or end time (to the nearest hour) of measurable precipitation when the chance of precipitation is > or = 20%.

MIXING HGT: Represents the mixing height, or height (in feet or meters above the ground) to which vigorous vertical mixing takes place.

500 METER or 1700 FEET MXG HGT TEMP: Mixing height temperature at 500 meters or 1700 feet.

500 METER or 1700 FEET TRANSPORT WND: Represents the transport wind or average wind direction or speed (M/S or MPH) from the surface to 500 meters or 1700 feet.

TRANSPORT WND: Represents the transport wind, or the average wind direction or speed (M/S or MPH) from the surface to the top of the mixed layer(mixing height).

STAGNATION INDEX: The stagnation index is a number from 0 to 3 computed from the forecast variables that are produced by a complex model. Used by Mississippi fire managers , who are cognizant of the need to occasional restrict open burning in order to reduce atmospheric contaminants.

STABILITY CLASS: used in smoke management forecasts based on wind, solar radiation, and cloud cover. It is used by Arkansas and Louisiana fire managers. A. extremely unstable, B...unstable, C...slightly unstable, D...neutral, E...slightly stable and F stable.

MAX/MIN Temp: Represents the expected maximum and minimum temperatures over the specified area during the day and night.

MAX/MIN RH: Represents the expected maximum (during the nighttime period) and minimum (during the daytime period) relative humidity (%) over the specified area.

20 Foot AM/PM Winds: Represents the 2-minute average wind speed (MPH) and direction above the ground or vegetative cover that occurs either AM or PM.

VENT INDEX: It is the product of the Transport Winds and Mixing Heights...which can be metric or in english units. The higher the Vent Index the better the dispersion.

CATEGORY DAY: which depends on the vent index...which runs from 1 (poor dispersion to 5 (good dispersion).

DISPERSION INDEX (FL/AL)- Computed from forecasts variables and that include 20 ft wind speed, mixing height, transport wind and cloud cover. A high DI correlates to better fire spread.

EXTENDED FORECAST: a 3 to 7 day forecast, including highs and lows, a chance of rain. Use wind expression on the occasion of breezy or windy conditions.

Updating the Fire Weather Planning Forecast

The Fire Weather Forecaster will maintain a weather watch to ensure that the forecast remains accurate. When unexpected changes occur or are forecast to occur which significantly deviate from the previous forecast, the forecast will be updated. The decision to update, to an extent, is a forecaster discretion. It is the shared responsibility for the WFOs and the natural resource agencies to monitor the need to update a forecast. Respective agency personal may also provide feedback to the updating of an FWF, NFDRS, or Spot Forecast. The NWS will issue Fire Weather Forecast Updates as determined by weather conditions and user requests. Updates can be communicated to the Mississippi Coordination Center...which can inform all affected agencies.

Site Specific Wildland Fire Forecasts (Spot Forecasts) (FWS)

Criteria

Spot forecasts will be issued on request to any government or private agency for a wildfire. Requests for spot forecasts for non-wildfire purposes will only be honored from federal agencies, from non-federal agencies operating with a federal agency on an interagency agreement or from any non-federal government agency when public safety is at risk. Spot forecasts will typically cover three 12-hour periods (Today... Tonight and Tomorrow) with 2-3 hour intervals at the first period...which could extend into the 2nd period. Any forecast beyond day two will typically be an outlook.

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A Spot Forecast will be headlined for a Red Flag Warning or Fire Weather Watch if one is in effect. The forecast will begin with a meteorological discussion, and will include any of the following information as designated by the requesting customer: temperature, relative humidity, wind direction speed and gust (20ft, 2min), cloud cover, weather phenomena, probability/type of precipitation, mixing height(ft/m), and transport wind(mph/ m/s). Additional elements may be requested by the customer.

Procedures

The requesting customer should go to the local NWS office internet home page, seek the fire weather web page, then select the procedure for requesting a spot forecast. The spot forecast request page is national standardized, and prompts the customer for information about the location, elevation, and size of the fire as well as for observations and contact phone numbers. The location of the fire will then appear on a topographic map image, allowing both the requesting customer and the NWS forecaster to see its location. The customer may customize their request by highlighting which elements they need, and for which forecast periods. A remarks section allows the customer to ask for additional elements or time period. In case of an internet outage, the customer may fax in a request, using form D-1. Customers are reminded to provide as fresh as observation as possible. The spot forecast will usually be issued with the hour of a request, depending on current weather, and volume of spot forecasts. The completed spot forecast will be sent over the internet, and will be available on the same web site used to request the forecast.

National Fire Danger Rating System (NFDRS) Forecasts (FWM)

Issuance

NFDRS forecasts will be issued for any predetermined site from which an NFDRS observation is received, provided the observation is received, provided the observation is received on time, is complete and deemed accurate. The land management agencies will determine which observation sites (normally RAWS sites) will be NFDRS sites.

Initiation of NFDRS forecasts for a new site will be coordinated with the NWS, and the agency requesting new NFDRS service will provide the NWS with information about the site location.

Contents

The NFDRS forecast will be a forecast of the next day temperature, relative humidity, wind speed and direction (16 points) at 1300 LST. The forecast also includes the expected lightning activity level for the next day and a half, the 24 hour maximum and minimum temperature and relative humidity, the 24 hour precipitation duration, and whether fuels will be wet at 1300 LST.

Procedures

The land management agencies are responsible for taking, quality controlling, transmitting, and archiving the NFDRS observations. Observation must be received at the NWS in a timely manner. Forecasts will only be prepared for predetermined sites, and only for those sites for which an observation has been received. The NWS will prepare and transmit the NFDRS forecasts in the 2-4 pm time frame. Although the data cutoff time for ingest into the NFDRS software is 7 pm, preliminary calculations based on the forecast are used by the land managers to make staffing decisions.

Fire Weather Watch and Red Flag Program (RFW)

A Red Flag event is defined as a combination of high (or greater) fire danger and critical weather elements. For Mississippi, the following criteria must be met in combination with an extended period of dry conditions:

- 1.) Relative Humidity less or equal to 25% and
- 2.) 20 foot wind speed of greater or equal to 15 mph and

Fire Danger will be assessed by the land management agencies, and will be obtained from them by the National Weather Service.

If Red Flag criteria are occurring, or expected within 24 hours, a Red Flag Warning will be issued, and will remain in effect until the conditions abate or are no longer expected.

If Red Flag criteria are expected within 24 to 72 hours, a Fire Weather Watch will be issued, and will remain in effect until the watch is upgraded to a Red Flag Warning, or conditions are no longer expected to develop.

Contents

A Red Flag Warning or Fire Weather Watch will begin with a headline stating which product is in effect, the area the product covers, and the meteorological reason why the product was issued.

Procedures

Whenever the meteorological criteria for a Red Flag event are occurring or expected to occur within 72 hours, the NWS office will contact the land management agencies to obtain a determination of fire danger. It is important to coordinate with the land management agencies both state and federal. If the combined fire danger rating and meteorological criteria warrant a Red Flag product, the NWS and land management agencies will reach a consensus on whether to issue the product as well as for which areas at which times.

Fire Danger Statements

When fire danger or fire occurrence is high and is coupled with critical weather conditions, user agencies may request that the NWS issue a Fire Danger Statement. These statements will be used in coordination with the requesting agency and will only be issued with their approval. The NWS will use the (SPS) format for these issuances.

Participation in Interagency Groups

The NWS and its customers will meet from time to time, for the purpose of reviewing the operational relationships agreed to in this plan, and as partners in other interagency meetings.

Meetings may be between one NWS office and all of its customers from its CWA in Mississippi or a state meeting of all NWS offices and fire weather customers within Mississippi, or a meeting conducted by a customer group with the NWS offices invited either individually or collectively.

Customers may at times invite NWS representation to serve on an interagency group at either the state or national level. These groups may serve a variety of purposes, such as program review, service evaluation, scientific advisory, or joint decision making.

Special Services

Special fire services are those services that are uniquely required by land management agencies and go beyond the normal forecast operations of the NWS. Special services include the Advanced Technology Meteorological Unit (ATMU), the All Hazards Meteorological Response System (AMRS), Incident Meteorologist (IMET) deployment, station visits, weather observer training, participation in user agency personnel training, and other pertinent meteorological services. Typically, special services require NWS personnel to be away from the forecast office and, in some instances, be in overtime status. User agencies are responsible for covering the cost of NWS overtime, travel and per diem expenses. Reimbursement of costs for special services will be as outlined in the **Interagency Agreement for Meteorological Services**.

Advance Technology Meteorological Unit (ATMU) Services

The Advance Technology Meteorological Unit (ATMU) is a modularized and mobile system of equipment used by an Incident Meteorologist (IMET) for data collection and product preparation. The ATMU is a national resource. There are 25 ATMUs cached around the country.

The ATMU consists of two (2) modules. The first module contains a laptop computer, a satellite dish for obtaining weather data, and a printer. This module is also a national resource, but is located at the National Weather Service offices that have an IMET on station. The second module consists of a theodolite for taking pibal observations.

Requests for the ATMU, AMRS, and IMET should be made through the local Interagency State Coordination Center. Typically, the IMET nearest the incident will be deployed. However, during times of limited resources, IMETs from other areas of the country may be called. This decision will be made by the Special Meteorologist to NIFC(SMN) in conjunction with the MIC and IMET from the affected offices.

The mobilization of the ATMU, AMRS and IMET is coordinated through the local State Interagency Coordination Center, the Southern Area Interagency Fire Cache, and the Southern Area Coordination Center (SACC). Demobilization is initiated at the incident, and coordinated through the Coordination Centers previously mentioned. For more specific information, reference the Southern Area and the National Interagency Mobilization Guides.

The requesting agency is responsible for any storage of the unit while in transit, and shelter for the IMET and unit at the site. A sheltered work area, of at least 50 square feet with a table and chair, must be protected from excessive dust free of standing water or condensation, and must be heated and/or cooled sufficiently to allow efficient operation

of equipment. Power (120V AC) must be provided for the ATMU's electrical equipment and priority telephone access during certain short periods each day must be made available.

Upon arrival at the incident and after going through the appropriate check-in procedures, the IMET will:

1. Brief the Fire Behavior Analyst (FBAN), Planning Section Chief (PSC), and the Incident Commander(IC) on current and expected weather as it affects the fire.
2. Establish a schedule with the IC and the FBAN for written forecasts and formal
3. Request a briefing of the fire situation and potential behavior problems for the FBAN. As time and resources permit, incident management should arrange for an aerial inspection trip for the meteorologist and should provide the forecaster with current fireline maps. If possible, the IMET should be assigned a radio with the fireline frequency.
4. Arrange for a schedule of observations from key points around the fire and from nearby lookouts and fire danger stations, in cooperation with the FBAN and PSC. On large fires, some personnel (at least two) should be permanently assigned to this duty. On smaller fires, this information can be provided by Division Supervisors equipped with belt weather kits.

Fire Weather Training

NWS meteorologists will be available to assist in user-oriented training, such as at fire behavior schools (e.g. S-290), and weather related courses. Requests should be made through the Meteorologist-in-Charge as early as possible after dates for such training have been determined.

Other Special Services

Other special services include weather station visits by user agency personnel, weather observer training, and course development work. These activities would be typically be at the full expense of the requesting agency unless other arrangements have been made.

Communications

The primary means of communication used by the NWS is Advanced Weather Interactive Processing System (AWIPS). Products transmitted through AWIPS include:pre-suppression Fire Planning Forecasts, Fire Weather Watches, Red Flag Warnings, Fire Danger Statements, and NFDRS station forecasts.

Spot forecasts will be disseminated by means of the internet, with telefax (FAX) as a backup. Anytime a request for a spot forecast is made by fax, the requesting agency must

include a FAX number. A voice number should also be included in the event problems or questions arise with the requests, the forecast, or the transmission.

Public products produced by the National Weather Service are available over All Hazards NOAA Weather Radio (NWR). As of January 2008, the following NWR Transmitters service Mississippi.

Site, Call Sign, Frequency, Counties Broadcasted for, NWS Office

MEMPHIS, WXK-49, 162.475 MHz, DESOTO, TATE, TUNICA, MARSHALL, BENTON COUNTIES; NWS MEMPHIS, TN

OXFORD, KIH-52, 162.550 MHz, , DESOTO, TATE, TUNICA, MARSHALL, BENTON, COAHOMA, QUITMAN, PANOLA, TALAHATCHIE, YALOBUSHA, GRENADA, LAFAYETTE, CALHOUN, UNION, POTOTOC, CHICKASAW Counties, NWS MEMPHIS, TN

BOONEVILLE, KIH-53, 162.400 MHz, BENTON, TIPPAH, ALCORN, ITAWAMBA, TISHOMINGO, LEE, MONROE, PRENTISS, UNION Counties; NWS MEMPHIS, TN

INVERNESS, KIH-50, 162.550 MHz, BOLIVAR, SUNFLOWER, TELEHATCHIE, GRENADA, LE FLORE, CARROLL, WASHINGTON, HUMPHREYS, HOLMES, ISSAQUENA, SHARKEY, YAZOO Counties: NWS JACKSON, MS

PARCHMAN, WWG-37, 162.500 MHz, COAHOMA, QUITMAN, TALLAHATCHIE, BOLIVAR, SUNFLOWER Counties; NWS JACKSON, MS

KOSCIUSKO, WWG-38, 162.425 MHz, HOLMES, MADISON, ATTALA, LEAKE NESHOBA Counties; NWS JACKSON, MS

ACKERMAN, KIH-51, 162.475 MHz, YALOBUSHA, CALHOUN, CHICKASAW, MONROE, GRENADA, LEFLORE, MONTGOMERY, CARROLL, WEBSTER, CLAY, CHOCTAW, LOWNDES, ATTALA, WINSTON, NOXUBEE, OKTIBBEHA Counties; NWS JACKSON, MS

JACKSON, KIH-38, 162.400 MHz, ISSAQUENA, WARREN, JEFFERSON, CLAIBORNE, YAZOO, MADISON, HINDS, RANKIN, COPIAH, SIMPSON, LAWRENCE, LINCOLN, LEAKE, SCOTT, SMITH Counties; NWS JACKSON, MS

MERIDIAN, KIH-49, 162.550 MHz, SCOTT, SMITH, COVINGTON, NESHOBA, NEWTON, JASPER, JONES, KEMPER, LAUDERDALE, CLARK, WAYNE Counties; NWS JACKSON, MS

BUDE, KIH-48, 162,550 MHz, JEFFERSON, ADAMS, WILKINSON, FRANKLIN, AMITE, COPIAH, LINCOLN, PIKE, LAWRENCE, WALTHALL Counties; NWS JACKSON, MS

HATTIESBURG, KIH-47, 162.475 MHz, SIMPSON, LAWRENCE, WALTHAL, JEFFERSON DAVIS, MARION, SMITH, COVINGTON, LAMAR, JONES, WAYNE, FOREST, PERRY, GREENE Counties; NWS JACKSON, MS

LEAKSVILLE, WNG-640, 162.425 MHz , WAYNE , PERRY , GREENE , STONE Counties; NWS MOBILE, AL.

GULFPORT, KIH-21, 162.400 MHz, PEARL RIVER, STONE, GEORGE, HARRISON, HANCOCK, JACKSON Counties; NWS NEW ORLEANS, LA

Other means of communication may be utilized upon mutual agreement with user agencies.

Wildland Fire Agency Responsibilities

Operational Support and Predictive Services

Program Management

The wildland fire agencies will oversee the fire weather observation program, including the sighting and maintenance of the observing equipment, fire weather training of their personnel, and the proficiency of their personnel in the use of the NWS Spot software.

Monitoring, Feedback and Improvement

Land management agencies will monitor the quality and timeliness of NWS of new technologies being implemented to monitor meteorological or fuel parameters, or improve communication, coordination, training, or reference. Wildland fire agency personnel may, with prior arrangement, visit an NWS office to acquire a knowledge of NWS technologies used in the monitoring of weather, or the preparation of products.

Agency Computer Resources

Internet will be the primary method of obtaining the Fire Weather Forecast, Red Flag Warning, Fire Weather Watch, and for both requesting and receiving a Spot Forecast. As a backup method, a request can be made to the weather service for a product to be faxed to the customary agency. NFDRS observations will be entered into WIMS, and forecasts and calculations based on these observations will be received by WIMS, or by internet via a WIMS website.

Fire Weather Observations

Fire weather observations stations provide the specialized weather observations for fire weather forecasts, wildfire control and suppression, and various other land management operations. These stations were selected very carefully in each state and federal district. Sites were chosen to represent homogeneous weather conditions across a district. Stations may either be manned sites operated by land management agencies, or unmanned, Remote Automatic Weather Stations (RAWS) maintained by any of the federal or state land management agencies in the area.

All observations stations are assigned a 6-digit identification number. The first two digits indicate the state, the second two digits indicate the county, and the last two digits indicated the consecutively-assigned station number for that county. Land managers who wish to have a number assigned to a station should contact the GACC meteorologist at SACC in Atlanta.

RAW stations are also assigned an 8 character alphanumeric identifier based on satellite transmission time (the DCP number, issued by the National Environmental Satellite Service(NESS)).

Observations from a satellite that telemeter RAWS will automatically flow into WIMS via the NESDIS ID. Some stations may not be part of the satellite network and the information has to be entered manually into WIMS.

Even with automated conversions to O type observations, the responsibility still resides with the RAWS owner to ensure that observations are being transmitted, recorded, and archived properly in WIMS. The additional automation will greatly simplify the daily process, however there will still be the need for observations to be checked for integrity and consistency. Managing the NFDRS model parameters will still be manual process in WIMS. Automation of O type observations will help to streamline the WIMS collective that is distributed to the NWS via AWIPS. NFDRS forecasts are based on RAWS observations that appear on the daily collective.

Training

The responsibility of training land management agency employees will be that of the agencies themselves. However, the NWS will be available to assist when requested to do so. Any expenses incurred by the NWS will normally be charged to the user agency, unless other arrangements have been made.

Numbering and archiving of observation stations.

The GACC, when requested to do so by a land management agency, shall assign a station

identifying number for fire weather observation platforms.

The land management agency will provide the station name, location (county , lat/long) and elevation to the GACC meteorologist.

The GACC meteorologist will assign the number and assist the station owner in establishing a station catalog in WIMS.

The numbering convection uses a six digit number, starting with 22 (for MS). The following two digit number designates the county, and the counties are numbered from 01 in the northwest to 82 in the southeast. The last two digits will correspond to the number of sites in the county.

The GACC meteorologist is responsible for maintaining a database of RAWS stations in his area. This information can be provided to the NWS regional program manager upon request.

Effective Dates of the AOP

The effective dates of the Mississippi Annual Operating Plan will be from January 1 through December 31st of the 2008 calendar year. This plan will be subject to review and revision by all signatory parties each year, or more frequently as operations warrant.

The plan will be available on the fire weather homepage in MS. A copy will be forwarded to NWS Southern Region Headquarters. NWS Southern Region will forward a copy to NIFC and NWS Headquarters.

Signature Page

The following signatures have accepted this Annual Operating Plan for Mississippi, dated..... Terms and conditions in this plan are subject to review by the National Weather Service and the land management agency customers on at least an annual basis, or more frequently as operations require.

Michael Scotten, Fire Program Leader, NWS Memphis,TN

Marc McAllister, Fire Program Leader, NWS Jackson,MS

Phil Grigsby, Fire Program Leader, NWS New Orleans,LA

Don Faulkner, Fire Program Leader, NWS Mobile, AL

Appendices

Interagency Agreement for the Meteorological Services in Support of Agencies with Land and Fire Management Responsibilities.

(<http://mi.nws.noaa.gov/directives/sym/pd01004006curr.pdf>)

Fire Weather Zone Maps

Fire Weather zones in Mississippi will consist of individual counties or groups of counties. These groupings will be dictated by meteorological conditions or may be locked into a permanent configuration. Normally, zone groupings are associated with climatologically homogeneous areas, even with current meteorological reasoning taken into account.

Catalogue of Fire Weather Observation Sites

Name, Station Number, County,	Latitude, Longitude, and Elevation(FT)		
BIENVILLE 225101 SCOTT	32°18''	89°29''	485
BUDE, 226102 FRANKLIN	31°24''	90°50''	447
RIDGELAND 224403 MADISON	33°31''	89°58''	350
BLACKCREEK 227802 STONE	30°84''	89°03''	275
MARION 227202 MARION	31°12''	89°55''	380
DELTA 223301 SHARKEY	32°48''	90°47''	93
COPIAH 225502 COPIAH	31°56''	91°22''	150
COVINGTON 226501 COVINGTON	31°44''	89°30''	290
HOLMES 223501 HOLMES	33°13''	90°11''	220

LAUDERDALE	225301	LAUDERDALE	32'22"	88'27"	221
WARREN	224201	WARREN	32'21"	90'50"	248
TISHOMINGO	220601	TISHOMINGO	34'70"	88.20"	505
MONROE	222401	MONROE	33'70"	88'30"	354
NESHOBA	224601	NESHOBA	32'70"	85'00"	554
WAUSAU	226702	WAYNE	31'52"	88'89"	312
PIKE	227001	PIKE	31'10"	90'40"	323
GREENE	227601	GREENE	31'10"	88'60"	156
HANCOCK	228002	HANCOCK	30'60"	89'40"	300
SAND HILL CRANE	228202	JACKSON	30'27"	88'39"	25ft.
MS-MSR PORT#1 (VANCLEAVE)	228290	JACKSON	30'37"	88'43"	50ft.
WINBORN	220202	MARSHALL	34'37"	89'18"	500ft
GRAND BAY	228204	JACKSON	30'28"	88'20"	70ft.

Examples of Segments of Fire Weather Forecasts

NWS Memphis

MSZ002>006-009-013>017-022>024-080315-
 ALCORN-BENTON (MS) -CALHOUN-CHICKASAW-ITAWAMBA-LAFAYETTE-LEE (MS) -
 MARSHALL-MONROE-PONTOTOC-PRENTISS-TIPPAH-TISHOMINGO-UNION-
 INCLUDING...NORTH MISSISSIPPI PORTION NATCHEZ TRACE PARKWAY...
 NORTH UNIT TOMBIGBEE NATIONAL FOREST...NORTHEAST MISSISSIPPI
 602 AM CST THU DEC 7 2006

...LOW HUMIDITY IS EXPECTED IN NORTHEAST MISSISSIPPI FRIDAY AND
 SATURDAY ACCORDING TO THE NATIONAL WEATHER SERVICE AT
 MEMPHIS TENNESSEE. . .

	TODAY	TONIGHT	FRI
CLOUD COVER	PCLDY	CLEAR	MCLEAR
PRECIP TYPE	NONE	NONE	NONE
PRECIP CHANCE (%)	0	0	0
TEMP (24H TREND)	42 (-10)	19 (-11)	39
RH % (24H TREND)	45 (+10)	67 (-24)	24
AM 20 FT WIND (MPH)	N 7-11 G20		N 4-8

PM 20 FT WIND (MPH)	N 12-16 G22	N 7-11	LGT/VAR
PRECIP AMOUNT (IN)	0.00	0.00	0.00

PRECIP DUR (HRS)			
PRECIP BEGINS			
PRECIP ENDS			
MIXING HGT (M-AGL)	1141		671
MIXING HGT (FT-AGL)	3742		2202
TRANSPORT WND (M/S)	N 13		N 9
TRANSPORT WND (MPH)	N 30		N 21
VENT INDEX (M2/S)	14833		6039
CATEGORY DAY	4		3
500M MIX HGT TEMP (F)	40		21
500M TSPT WIND (M/S)	N 12		N 4
500M TSPT WIND (MPH)	N 26		N 9
LASI	4	4	4
STABILITY	E	E	D
STAGNATION INDEX	1	2	3

REMARKS...NONE.

.FORECAST FOR DAYS 3 THROUGH 7...

.SATURDAY...MOSTLY CLEAR. LOWS 15 TO 20. HIGHS IN THE LOWER 50S. MINIMUM RH 30 PERCENT. SOUTH WINDS AROUND 5 MPH.

.SUNDAY...A SLIGHT CHANCE OF RAIN SHOWERS. PARTLY CLOUDY. LOWS AROUND 30. HIGHS IN THE MID 50S. MINIMUM RH 52 PERCENT. SOUTHEAST WINDS 5 TO 10 MPH.

.MONDAY...A SLIGHT CHANCE OF RAIN SHOWERS...THEN A SLIGHT CHANCE OF LIGHT RAIN. MOSTLY CLOUDY. LOWS AROUND 40. HIGHS IN THE UPPER 50S. MINIMUM RH 59 PERCENT. SOUTHEAST WINDS 5 TO 10 MPH.

.TUESDAY...A CHANCE OF RAIN...THEN A CHANCE OF SHOWERS AND THUNDERSTORMS. MOSTLY CLOUDY. LOWS IN THE LOWER 40S. HIGHS AROUND 60. MINIMUM RH 65 PERCENT. SOUTH WINDS 5 TO 10 MPH.

.WEDNESDAY...A CHANCE OF THUNDERSTORMS. A CHANCE OF SHOWERS. MOSTLY CLOUDY. LOWS IN THE MID 40S. HIGHS IN THE UPPER 50S. MINIMUM RH 61 PERCENT. NORTHWEST WINDS AROUND 5 MPH.

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MSZ002>006-009-013>017-022>024-081200-
 ALCORN-BENTON(MS)-CALHOUN-CHICKASAW-ITAWAMBA-LAFAYETTE-LEE(MS)-
 MARSHALL-MONROE-PONTOTOC-PRENTISS-TIPPAH-TISHOMINGO-UNION-
 INCLUDING...NORTH MISSISSIPPI PORTION NATCHEZ TRACE PARKWAY...
 HOLLY SPRINGS NATIONAL FOREST...NORTH UNIT TOMBIGBEE NATIONAL
 FOREST...NORTHEAST MISSISSIPPI
 256 PM CST THU DEC 7 2006

...LOW HUMIDITY IS EXPECTED IN NORTHEASTERN MISSISSIPPI FRIDAY AND

SATURDAY ACCORDING TO THE NATIONAL WEATHER SERVICE AT MEMPHIS TENNESSEE...

TONIGHT	FRI	FRI NIGHT	SAT
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CLOUD COVER	CLEAR	MCLEAR	CLEAR	MCLEAR
PRECIP TYPE	NONE	NONE	NONE	NONE
PRECIP CHANCE (%)	0	0	0	0
TEMP (24H TREND)	19 (-9)	39 (-4)	19	50
RH % (24H TREND)	62 (-32)	19 (-17)	74	20
AM 20 FT WIND (MPH)		NE 2-6		LGT/VAR
PM 20 FT WIND (MPH)	N 7-11	LGT/VAR	LGT/VAR	S 2-6
PRECIP AMOUNT (IN)	0.00	0.00	0.00	0.00
PRECIP DUR (HRS)				
PRECIP BEGINS				
PRECIP ENDS				
MIXING HGT (M-AGL)		783		719
MIXING HGT (FT-AGL)		2568		2359
TRANSPORT WND (M/S)		NE 3		S 3
TRANSPORT WND (MPH)		NE 6		S 7
VENT INDEX (M2/S)		2349		2157
CATEGORY DAY		2		2
500M MIX HGT TEMP (F)		30		43
500M TSPT WIND (M/S)		NE 4		S 4
500M TSPT WIND (MPH)		NE 9		S 9
LASI	4	4	4	4
STABILITY	F	B	F	B
STAGNATION INDEX	2	3	3	3

REMARKS...NONE.

.FORECAST FOR DAYS 3 THROUGH 7...

.SUNDAY...PARTLY CLOUDY. LOWS IN THE MID 20S. HIGHS IN THE UPPER 50S. MINIMUM RH 34 PERCENT. SOUTH WINDS 5 TO 10 MPH.

.MONDAY...A CHANCE OF RAIN SHOWERS. PARTLY CLOUDY. LOWS IN THE UPPER 30S. HIGHS IN THE UPPER 50S. MINIMUM RH 53 PERCENT. SOUTHEAST WINDS 5 TO 10 MPH.

.TUESDAY...A CHANCE OF SHOWERS. A CHANCE OF THUNDERSTORMS. MOSTLY CLOUDY. LOWS IN THE MID 40S. HIGHS AROUND 60. MINIMUM RH 67 PERCENT. SOUTHEAST WINDS 10 TO 15 MPH.

.WEDNESDAY...SHOWERS AND THUNDERSTORMS LIKELY...THEN A SLIGHT CHANCE OF SHOWERS. PARTLY CLOUDY. LOWS IN THE MID 40S. HIGHS IN THE LOWER 60S. MINIMUM RH 54 PERCENT. WEST WINDS 5 TO 10 MPH.

.THURSDAY...PARTLY CLOUDY. LOWS IN THE UPPER 30S. HIGHS IN THE LOWER 50S. MINIMUM RH 48 PERCENT. WEST WINDS 5 TO 10 MPH.

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MSZ002>006-009-013>017-022>024-081200-
 ALCORN-BENTON (MS) -CALHOUN-CHICKASAW-ITAWAMBA-LAFAYETTE-LEE (MS) -
 MARSHALL-MONROE-PONTOTOC-PRENTISS-TIPPAH-TISHOMINGO-UNION-
 INCLUDING...NORTH MISSISSIPPI PORTION NATCHEZ TRACE PARKWAY...
 HOLLY SPRINGS NATIONAL FOREST...NORTH UNIT TOMBIGBEE NATIONAL
 FOREST...NORTHEAST MISSISSIPPI
 256 PM CST THU DEC 7 2006

...LOW HUMIDITY IS EXPECTED IN NORTHEASTERN MISSISSIPPI FRIDAY
 AND
 SATURDAY ACCORDING TO THE NATIONAL WEATHER SERVICE AT
 MEMPHIS TENNESSEE...

	TONIGHT	FRI	FRI NIGHT	SAT
CLOUD COVER	CLEAR	MCLEAR	CLEAR	MCLEAR
PRECIP TYPE	NONE	NONE	NONE	NONE
PRECIP CHANCE (%)	0	0	0	0
TEMP (24H TREND)	19 (-9)	39 (-4)	19	50
RH % (24H TREND)	62 (-32)	19 (-17)	74	20
AM 20 FT WIND (MPH)		NE 2-6		LGT/VAR
PM 20 FT WIND (MPH)	N 7-11	LGT/VAR	LGT/VAR	S 2-6
PRECIP AMOUNT (IN)	0.00	0.00	0.00	0.00
PRECIP DUR (HRS)				
PRECIP BEGINS				
PRECIP ENDS				
MIXING HGT (M-AGL)		783		719
MIXING HGT (FT-AGL)		2568		2359
TRANSPORT WND (M/S)		NE 3		S 3
TRANSPORT WND (MPH)		NE 6		S 7
VENT INDEX (M2/S)		2349		2157
CATEGORY DAY		2		2
500M MIX HGT TEMP (F)		30		43
500M TSPT WIND (M/S)		NE 4		S 4
500M TSPT WIND (MPH)		NE 9		S 9
LASI	4	4	4	4
STABILITY	F	B	F	B
STAGNATION INDEX	2	3	3	3

REMARKS...NONE.

.FORECAST FOR DAYS 3 THROUGH 7...

.SUNDAY...PARTLY CLOUDY. LOWS IN THE MID 20S. HIGHS IN THE UPPER 50S. MINIMUM RH 34 PERCENT. SOUTH WINDS 5 TO 10 MPH.

.MONDAY...A CHANCE OF RAIN SHOWERS. PARTLY CLOUDY. LOWS IN THE UPPER 30S. HIGHS IN THE UPPER 50S. MINIMUM RH 53 PERCENT. SOUTHEAST WINDS 5 TO 10 MPH.

.TUESDAY...A CHANCE OF SHOWERS. A CHANCE OF THUNDERSTORMS. MOSTLY CLOUDY. LOWS IN THE MID 40S. HIGHS AROUND 60. MINIMUM RH 67 PERCENT. SOUTHEAST WINDS 10 TO 15 MPH.

.WEDNESDAY...SHOWERS AND THUNDERSTORMS LIKELY...THEN A SLIGHT CHANCE OF SHOWERS. PARTLY CLOUDY. LOWS IN THE MID 40S. HIGHS IN THE LOWER 60S. MINIMUM RH 54 PERCENT. WEST WINDS 5 TO 10 MPH.

.THURSDAY...PARTLY CLOUDY. LOWS IN THE UPPER 30S. HIGHS IN THE LOWER 50S. MINIMUM RH 48 PERCENT. WEST WINDS 5 TO 10 MPH.

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NWS Jackson

MSZ043-044-047>050-302215-
MADISON-LEAKE-WARREN-HINDS-RANKIN-SCOTT-
415 AM CDT TUE OCT 30 2007

	TODAY	TONIGHT	WED
CLOUD COVER	MCLEAR	MCLEAR	MCLEAR
PRECIP TYPE	NONE	NONE	NONE
CHANCE PRECIP (%)	0	0	0
TEMP (24H TREND)	74 (+2)	46 (0)	77
RH % (24H TREND)	34 (+34)	100 (+3)	44
20FT WND/AM(MPH)	E 4		SE 3
20FT WND/PM(MPH)	E 5	E 3	NE 4
RAIN DURATN(HRS)			
RAIN AMOUNTS(INS)	0.00	0.00	0.00
500M MXG HT TEMP	65		70
500M TRANS DIR	E		NE
500M TRANS SPEED(M/S)	2		1
500M TRANS SPEED(MPH)	4		2
MIXING HGT(M AGL)	1234		1599
MIXING HGT(FT AGL)	4049		5245
TRANSPORT WND (M/S)	E 3		NE 2
TRANSPORT WND (MPH)	E 7		NE 5
VENT INDEX (METRIC)	3702		3198
VENT INDEX (ENGLISH)	28343		26225
STAG INDEX	3	3	3
CATEGORY DAY	2		2
STABILITY	C	F	B
WIND SHIFTS			
PRECIP BEGIN			
PRECIP END			

REMARKS...NONE.

.FORECAST FOR DAYS 3 THROUGH 7...

.THURSDAY...MOSTLY CLEAR. LOWS IN THE LOWER 50S. HIGHS IN THE LOWER 70S. NORTHEAST WINDS AROUND 5 MPH.

.FRIDAY...MOSTLY CLEAR. LOWS IN THE MID 40S. HIGHS AROUND 70. NORTH WINDS AROUND 5 MPH.

.SATURDAY...MOSTLY CLEAR. LOWS IN THE MID 40S. HIGHS IN THE LOWER 70S. NORTH WINDS AROUND 5 MPH.

.SUNDAY...MOSTLY CLEAR. LOWS IN THE UPPER 40S. HIGHS IN THE MID 70S. WEST WINDS UP TO 5 MPH.

.MONDAY...MOSTLY CLEAR. LOWS AROUND 50. HIGHS IN THE MID 70S. SOUTH WINDS UP TO 10 MPH.

MS040>044-047>050-290830-
MADISON-ISSAQUENA-SHARKEY-YAZOO-LEAKE-WARREN-HINDS-RANKIN-SCOTT-
219 PM CST SUN OCT 28, 2007

...WEST CENTRAL MISSISSIPPI...

	TONIGHT	MON	MON NIGHT	TUE
CLOUD COVER	CLOUDY	MCLDY	MCLDY	PCLDY
PRECIP TYPE	RAIN	NONE	NONE	NONE
CHANCE PRECIP(%)	50	0	0	0
TEMP (24 H TREND)	42 (-5)	56 (-1)	33	53
RH % (24 H TREND)	100 (+14)	51 (-1)	84	34
WIND(AM)		LGT/VAR		LGT/VAR
WIND(PM)	LGT/VAR	NW 9	LGT/VAR	LGT/VAR
RAIN DURATN(HRS)	12	0	0	0
RAIN AMOUNTS(INS)	0.10-0.25	< 0.10	0.00	0.00
500M MXG HT TEMP		51		44
500M TRANS DIR		NW		NW
500M TRANS SPEED(M/S)		11		8
500M TRANS SPEED(MPH)		25		17
MIXING HGT(M AGL)		1595		1451
MIXING HGHT(FT AGL)		5232		4760
TRANSPORT WND(M/S)		NW 13		NW 10
TRANSPORT WND(MPH)		NW 29		NW 22
VENT INDEX (METRIC)		20735		14510
VENT INDEX (ENGLISH)		151728		104720
STAG INDEX	2	1	3	0
CATEGORY DAY		5		4
STABILITY	E	C	E	B
WINDSHIFTS				
PRECIP BEGINS	6 PM			
PRECIP ENDS	6 AM			
REMARKS...NONE.				

.FORECAST FOR DAYS 3 THROUGH 7...

.WEDNESDAY...MOSTLY CLOUDY. A 40 PERCENT CHANCE OF RAIN SHOWERS. LOWS IN THE LOWER 30S. HIGHS AROUND 50. NORTHEAST WINDS UP TO 5 MPH.

.THURSDAY...PARTLY CLOUDY. LOWS IN THE LOWER 30S. HIGHS IN THE MID 50S. SOUTH WINDS 5 MPH.

.FRIDAY...PARTLY CLOUDY. LOWS IN THE MID 30S. HIGHS IN THE UPPER 50S. NORTHWEST WINDS 5 TO 10 MPH.

.SATURDAY...PARTLY CLOUDY. LOWS IN THE UPPER 30S. HIGHS LOWER 60S. NORTHWEST WINDS 10 MPH.

.SUNDAY...PARTLY CLOUDY. LOWS IN THE LOWER 40S. HIGHS IN THE MID 60S. NORTH WINDS 10 MPH.

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NWS New Orleans

FIRE WEATHER PLANNING FORECAST FOR S MS AND SE LA
NATIONAL WEATHER SERVICE NEW ORLEANS LA
752 AM CDT TUE OCT 30 2007

RED FLAG...NONE

.DISCUSSION...A NARROW BAND OF LIGHT RAIN WILL DISSIPATE DURING THE MORNING.
OTHERWISE...MODERATE NORTHEAST FLOW WILL PREVAIL THROUGH FRIDAY.

MSZ068>071-302215-
WILKINSON-AMITE-PIKE-WALTHALL-
INCLUDING THE CITIES OF...CENTREVILLE...WOODVILLE...GLOSTER...
LIBERTY...CROSBY...MCCOMB...TYLERTOWN
752 AM CDT TUE OCT 30 2007

.RED FLAG...NONE.

	TODAY	TONIGHT	WED
CLOUD COVER	MCLEAR	MCLEAR	MCLEAR
PRECIP TYPE	NONE	NONE	NONE
CHANCE PRECIP (%)	0	0	0
TEMP	75	52	79
RH %	43	96	49
20FTWND/AM(MPH)	NE 4-8		LGT/VAR
20FTWND/PM(MPH)	NE 3-7	LGT/VAR	LGT/VAR
AVG PCPN AMT (IN)	0.00	0.00	0.00
PRECIP DURATION (HR)			
MIXING HGT(M-AGL/MSL)	1482		1957
TRANSPORT WND (M/S)	E 2		NE 2
VENT RATE (M**2/S)	2964		3914
CATEGORY DAY	2		2
SILT/ 500 MLT (F)	70		69
MRNG MXG HGT (M)	125		125
STAGNATION INDEX	3	3	3
STABILITY CLASS	STABLE	VERY STABLE	STABLE

REMARKS...NONE.

.FORECAST FOR DAYS 3 THROUGH 7...

.THURSDAY...PARTLY CLOUDY. LOWS IN THE MID 50S. HIGHS IN THE UPPER 70S. NORTH WINDS UP TO 10 MPH.
.FRIDAY...MOSTLY CLEAR. LOWS AROUND 50. HIGHS IN THE MID 70S. NORTH WINDS 5 TO 10 MPH.
.SATURDAY...MOSTLY CLEAR. LOWS IN THE UPPER 40S. HIGHS IN THE MID 70S. NORTH WINDS 5 TO 10 MPH.
.SUNDAY...MOSTLY CLEAR. LOWS IN THE LOWER 50S. HIGHS IN THE MID 70S. NORTHEAST WINDS AROUND 5 MPH.
.MONDAY...MOSTLY CLEAR. LOWS IN THE LOWER 50S. HIGHS IN THE MID 70S. SOUTHEAST WINDS AROUND 5 MPH.

FIRE WEATHER PLANNING FORECAST FOR S MS AND SE LA
NATIONAL WEATHER SERVICE NEW ORLEANS LA
126 PM CDT TUE OCT 30 2007

RED FLAG...NONE

.DISCUSSION...HIGH PRESSURE WILL REMAIN IN CONTROL OF THE REGION
FOR THE NEXT SEVERAL DAYS.

MSZ068>071-311015-
WILKINSON-AMITE-PIKE-WALTHALL-
INCLUDING THE CITIES OF...CENTREVILLE...WOODVILLE...GLOSTER...
LIBERTY...CROSBY...MCCOMB...TYLERTOWN
126 PM CDT TUE OCT 30 2007

.RED FLAG...NONE.

	TONIGHT	WED	WED NIGHT	THU
CLOUD COVER	MCLEAR	MCLEAR	MCLEAR	PCLDY
PRECIP TYPE	NONE	NONE	NONE	NONE
CHANCE PRECIP (%)	0	0	0	0
TEMP	52	79	54	78
RH %	96	49	100	47
20FTWND/AM(MPH)		LGT/VAR		LGT/VAR
20FTWND/PM(MPH)	LGT/VAR	LGT/VAR	LGT/VAR	N 6-10
AVG PCPN AMT (IN)	0.00	0.00	0.00	0.00
PRECIP DURATION (HR)				
MIXING HGT(M-AGL/MSL)		1844		1667
TRANSPORT WND (M/S)		E 2		N 6
VENT RATE (M**2/S)		3688		10002
CATEGORY DAY		2		4
SILT/ 500 MLT (F)		73		74
MRNG MXG HGT (M)		205		400
STAGNATION INDEX	3	3	3	3
STABILITY CLASS	VERY STABLE	STABLE	VERY STABLE	STABLE

REMARKS...NONE.

.FORECAST FOR DAYS 3 THROUGH 7...

.FRIDAY...MOSTLY CLEAR. LOWS AROUND 50. HIGHS IN THE MID 70S.
NORTH WINDS 5 TO 10 MPH.
.SATURDAY...MOSTLY CLEAR. LOWS IN THE UPPER 40S. HIGHS IN THE MID
70S. NORTH WINDS 5 TO 10 MPH.
.SUNDAY...MOSTLY CLEAR. LOWS IN THE LOWER 50S. HIGHS IN THE MID
70S. NORTHEAST WINDS AROUND 5 MPH.
.MONDAY...MOSTLY CLEAR. LOWS IN THE LOWER 50S. HIGHS IN THE MID
70S. SOUTHEAST WINDS AROUND 5 MPH.
.TUESDAY...PARTLY CLOUDY. LOWS IN THE LOWER 50S. HIGHS IN THE
LOWER 70S. EAST WINDS UP TO 10 MPH.

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NWS Mobile

MSZ067-075-076-302245-
 WAYNE-PERRY-GREENE-
 539 AM CDT TUE OCT 30 2007

	TODAY	TONIGHT	WED
CLOUD COVER	PCLDY	MCLEAR	PCLDY
CHANCE PRECIP (%)	0	0	0
PRECIP TYPE	NONE	NONE	NONE
TEMP	74	49	79
RH %	36	98	46
20FT WND MPH (AM)	NE 7-11		E 5-9
20FT WND MPH (PM)	NE 8-12	E 4-8	NE 5-9
PRECIP DURATION			
PRECIP AMOUNT	0.00	0.00	0.00
MIXING HGT (FT-AGL)	3200	300	3600
MIXING HGT (M-AGL)	975	91	1097
TRANSPORT WND (M/S)	NE 7	E 4	NE 5
TRANSPORT WND (MPH)	NE 16	E 8	NE 11
STAG INDEX	1	3	2
STABILITY CLASS	B	F	B
PRECIP BEGIN			
PRECIP END			

.EXTENDED...

.THURSDAY...PARTLY CLOUDY. LOWS AROUND 50. HIGHS IN THE UPPER 70S. NORTH WINDS 5 TO 10 MPH.
 .FRIDAY...MOSTLY CLEAR. LOWS IN THE UPPER 40S. HIGHS IN THE LOWER 70S. NORTH WINDS 5 TO 10 MPH.
 .SATURDAY...MOSTLY CLEAR. LOWS IN THE UPPER 40S. HIGHS IN THE LOWER 70S. NORTHEAST WINDS AROUND 5 MPH.
 .SUNDAY...PARTLY CLOUDY. LOWS IN THE UPPER 40S. HIGHS IN THE MID 70S. NORTH WINDS AROUND 5 MPH.
 .MONDAY...MOSTLY CLEAR. LOWS IN THE UPPER 40S. HIGHS IN THE MID 70S. SOUTHEAST WINDS 5 TO 10 MPH.

MSZ067-075-076-311130-
 WAYNE-PERRY-GREENE-
 124 PM CDT TUE OCT 30 2007

	TONIGHT	WED	WED NIGHT	THU
CLOUD COVER	MCLEAR	MCLEAR	MCLEAR	MCLEAR
CHANCE PRECIP (%)	0	0	0	0
PRECIP TYPE	NONE	NONE	NONE	NONE
TEMP	49	79	50	80
RH %	100	46	100	44
20FT WND MPH (AM)		E 1-5		N 1-5
20FT WND MPH (PM)	NE 1-5	E 3-7	LGT/VAR	N 6-10
PRECIP DURATION				
PRECIP AMOUNT	0.00	0.00	0.00	0.00
MIXING HGT (FT-AGL)	100	3500	100	5200
MIXING HGT (M-AGL)	30	1067	30	1585
TRANSPORT WND (M/S)	NE 3	E 4	N 1	N 6
TRANSPORT WND (MPH)	NE 7	E 9	N 3	N 14

STAG INDEX	3	3	3	2
STABILITY CLASS	F	B	F	B
PRECIP BEGIN				
PRECIP END				

.EXTENDED...
 .FRIDAY...MOSTLY CLEAR. LOWS IN THE LOWER 50S. HIGHS IN THE LOWER 70S. NORTH WINDS AROUND 5 MPH.
 .SATURDAY...MOSTLY CLEAR. LOWS IN THE UPPER 40S. HIGHS IN THE LOWER 70S. NORTHEAST WINDS AROUND 5 MPH.
 .SUNDAY...PARTLY CLOUDY. LOWS IN THE UPPER 40S. HIGHS IN THE MID 70S. NORTH WINDS AROUND 5 MPH.
 .MONDAY...MOSTLY CLEAR. LOWS IN THE UPPER 40S. HIGHS IN THE MID 70S. SOUTHEAST WINDS 5 TO 10 MPH.
 .TUESDAY...PARTLY CLOUDY. SLIGHT CHANCE OF SHOWERS. LOWS IN THE LOWER 50S. HIGHS IN THE MID 70S. SOUTHEAST WINDS AROUND 5 MPH.

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NFDRS Forecasts

NWS Memphis

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 FNUS84 KMEG 292040
 FWMMEG

FCST,032801,071030,13,1,68,39,1,1,SSE,03,M,68,41,98,32,0,0,N

NWS Jackson

000
 FNUS84 KJAN 291834
 FWMJAN

FCST,226102,071030,13,1,72,40,1,1,ENE,09,,74,47,91,34,0,0,N
 FCST,225502,071030,13,1,72,36,1,1,E,08,,72,48,84,34,0,0,N
 FCST,223301,071030,13,0,71,33,1,1,E,08,,71,47,88,32,0,0,N
 FCST,224403,071030,13,1,71,35,1,1,E,08,,71,46,83,33,0,0,N
 FCST,227202,071030,13,1,72,41,1,1,ENE,08,,74,49,88,36,0,0,N
 FCST,225101,071030,13,1,70,37,1,1,E,09,,72,46,81,32,0,0,N
 FCST,224101,071030,13,1,68,37,1,1,E,09,,69,42,84,35,0,0,N
 FCST,037403,071030,13,0,71,35,1,1,E,08,,71,45,96,34,0,0,N
 FCST,226502,071030,13,1,70,40,1,1,E,09,,72,47,80,34,0,0,N
 FCST,223501,071030,13,0,70,34,1,1,E,08,,70,46,82,32,0,0,N
 FCST,224201,071030,13,0,71,33,1,1,E,08,,71,47,89,33,0,0,N
 FCST,225301,071030,13,1,70,38,1,1,ENE,09,,70,43,83,33,0,0,N
 FCST,224601,071030,13,1,69,38,1,1,E,09,,70,43,84,34,0,0,N

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FWMLIX

FCST,168541,071031,13,1,76,64,1,1,N,05,M,76,56,100,55,0,0,N
FCST,228002,071031,13,1,76,62,1,1,N,03,M,76,55,100,52,0,0,N
FCST,228202,071031,13,1,76,61,1,1,N,05,M,76,57,100,55,0,0,N
FCST,228290,071031,13,1,76,60,1,1,N,03,M,76,56,100,54,0,0,N
FCST,228204,071031,13,1,76,60,1,1,N,06,M,76,59,100,59,0,0,N
FCST,227001,071031,13,1,76,58,1,1,N,03,M,76,53,93,52,0,0,N
FCST,226559,071031,13,1,76,64,1,1,N,05,M,76,56,100,58,0,0,N

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FCST,226702,071031,13,1,77,47,1,1,ENE,06,M,77,49,98,35,0,0,N
FCST,227802,071031,13,1,78,54,1,1,ENE,08,M,78,54,100,43,0,0,N
FCST,015902,071031,13,1,79,51,1,1,ENE,08,M,79,54,100,39,0,0,N
FCST,227601,071031,13,1,78,50,1,1,ENE,06,M,78,52,100,38,0,0,N

NWS Forecast Office Fire Websites

NWS Memphis...<http://www.srh.noaa.gov/meg/firewx.php>

NWS Jackson.....http://www.srh.noaa.gov/jan/fire_weather.php

NWS New Orleans...<http://www.srh.noaa.gov/lix/html/firewx.php>

NWS Mobile...<http://www.srh.noaa.gov/mob/firewx.shtml>

Record of Changes to the State AOP.

