

ORDINANCE NO. 2014-7

AN ORDINANCE AMENDING ORDINANCE 2006-27 OF THE CITY CODE ORDINANCES REGARDING THE WATER CONSERVATION AND EMERGENCY DEMAND MANAGEMENT PLAN.

**BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF DAWSON TEXAS
THAT THE CITY CODE ORDINANCES BE AMENDED TO HEREAFTER READ AS
FOLLOWS:**

WATER CONSERVATION AND EMERGENCY WATER DEMAND MANAGEMENT PLAN

SEC. 11.401 Introduction

(A) The water distribution system and the wastewater collection and treatment system in the City of Dawson (City) are owned and operated by the City. The City purchases its drinking water from the City of Corsicana, which obtains raw drinking water from Lake Halbert, Lake Navarro Mills, and Richland-Chambers Reservoir. The water is treated at two City owned treatment plants, Lake Halbert Water Treatment plant and Navarro Mills Water Treatment Plant. The water used in the City of Dawson is treated at the Navarro Mills Water Treatment Plant.

Sec. 11.402 Emergency Water Demand management Plan.

(A) Drought or a number of other uncontrollable circumstances can disrupt the normal availability of the City's water supply. Even though the City may have an adequate water supply, the supply could become contaminated, or a disaster could destroy the supply.

(B) This chapter summarizes the City's emergency water demand management plan. Emergency management planning is not the same as conservation planning. While water conservation involves implementing permanent water use efficiency or reuse practices, the emergency water demand management plan will establish temporary methods or techniques designed to be used only as long as an emergency exists.

(C) The City's emergency water demand management plan will include the following six elements:

- (1) Trigger conditions signaling the start of an emergency period
- (2) Drought contingency measures
- (3) Education and information
- (4) Initiation procedures
- (5) Termination notification actions
- (6) Means of implementation

Sec. 11.403 Trigger Conditions

(A) Mild Drought

Mild drought conditions and contingency measures will be in effect when Navarro Mills Reservoir pro rata storage declines below elevation 421.5 feet above mean sea level (MSL) or when the average daily water use equals or exceeds 85% of the City's treatment capacity for **SEVEN consecutive days**. Based on a current total existing treatment capacity of 24.25 MGD,

the 85% trigger will be equal to 20.6MGD.

(B) Moderate Drought

Moderate drought conditions and contingency measures will be in effect when Navarro Mills Reservoir pro rata storage declines below elevation 419.0 feet above MSL or when the daily water use equals or exceeds 95% of the City’s treatment capacity for **SEVEN consecutive days**. Based on a current total existing treatment capacity of 24.25 MGD, the 95% trigger will be equal to 23.0 MGD.

(C) Severe Drought.

Severe drought conditions and contingency measures will be in effect when the water surface elevation at Navarro Mills Reservoir pro rata storage declines below elevation of 414.5 feet above MSL.

(D) Critical Emergency.

Critical emergency and contingency measures will be in effect in the event of a catastrophic failure in the City’s storage or distribution systems or if the potable water supply is not suitable for human consumption.

Sec. 11.404 Drought Contingency Measures

The following actions will be taken by the City when trigger conditions are reached and drought contingency measures may be necessary:

(1) Mild Conditions.

(A) Inform the public through the news media, social media, and water bill mail outs that a trigger condition has been reached and that they should look for way to VOLUNTARILY reduce water consumption such as:

- Use water in a manner that does not allow runoff or waste
- Use bucket, not spray nozzle for washing and rinsing of vehicles.
- Make sure dishwasher is full before running
- Wash full loads of laundry
- Take shorter showers
- Turn water off when brushing teeth
- Install toilet dam or other water saving device on commode
- Use eater saving native plants and shrubs in landscape

(B) Notify major commercial water users of the situation and request voluntary water use restrictions.

(C) Publicize the following VOLUNTARY (5 day) lawn watering schedule during the hours of 8:00 P.M. to 10:00 A.M. These practices would also need to be implemented on public grounds to set an example for the general public.

Last Digit of Address

Allowed Watering Dates

0 and 5	5 th , 10 th , 15 th , 20 th , 25 th , 30 th
1 and 6	1 st , 6 th , 11 th , 16 th , 21 st , 26 th
2 and 7	2 nd , 7 th , 12 th , 17 th , 22 nd , 27 th
3 and 8	3 rd , 8 th , 13 th , 18 th , 23 rd , 28 th
4 and 9	4 th , 9 th , 14 th , 19 th , 24 th , 29 th

(D) During winter months request water users to insulate pipes rather than running water to prevent freezing.

The goal in implementing the mild condition actions is to achieve a **five percent (5%) reduction** in system demand.

(2) Moderate Condition.

(A) Continue implementation of all relevant actions in preceding phase.

(B) Prohibit car washing, window washing, and pavement washing except when a bucket is used. (Car washes may still remain open.)

(C)The following mandatory (5 day) lawn water schedule during the hours of 8:00 P.M. to 10:00 A.M. will be implemented. This includes all public grounds.

<u>Last Digit of Address</u>	<u>Allowed Watering Dates</u>
0 and 5	5 th , 10 th , 15 th , 20 th , 25 th , 30 th
1 and 6	1 st , 6 th , 11 th , 16 th , 21 st , 26 th
2 and 7	2 nd , 7 th , 12 th , 17 th , 22 nd , 27 th
3 and 8	3 rd , 8 th , 13 th , 18 th , 23 rd , 28 th
4 and 9	4 th , 9 th , 14 th , 19 th , 24 th , 29 th

Handheld watering of new landscapes (less than one year old) and commercial plant nurseries may be done any day during the above-stated irrigation time.

(D) The following public water uses, not essential for public health or safety, will be prohibited.

- Street washing
- Water hydrant flushing
- Filling of pools
- Athletic field watering
- Watering grassed areas of public property
- Operation of ornamental fountains

Enforce Ordinance 2472 Moderate Drought Surcharges
See Attachment 1.

The goal in implementing the moderate condition actions is to achieve a **ten percent (10%) reduction** in system demand.

(3) Severe Conditions.

(A) Continue implementation of all relevant actions in the two preceding phases.

(B) All outdoor water use will be prohibited. Such use includes, but is not limited to the

following: lawn watering, car washing (including car washes) and pavement washing.

(C) Advise the public **weekly** regarding the severity of the condition

(D) Consider the feasibility for reuse of wastewater treatment plan effluent (approximately 3 MGD available).

(E) Surcharges for excessive water use will remain in full force and effect.

(4) Critical Emergency Conditions

All uses of public water supply will be banned except in cases of emergency. In these cases, water use will be limited, and water should be boiled prior to use as the purity may be questionable.

Under drought contingency measures, the City may pursue the use of reclaimed water for non-potable purposes.

Sec. 11.405 Education and Information

(A) The purpose and effect of the emergency water demand management plan will be communicated to the public as a component of the Education and Information section of the Water Conservation Plan. When trigger conditions and potential drought contingency measures appear to be approaching, the public will be notified through available news media and additional information on water conservation methods will be distributed.

(B) In the event that a trigger condition is reached, the public will be kept fully informed of the status of the drought condition through all available news media.

Sec. 11.406 Initiation Procedures

(A) When a trigger condition has been reached and drought contingency measures may be necessary the Mayor of Dawson or his duly appointed representative will order the initiation of the public notification process. The public notification process will include the following items:

(1) A NOTICE OF DROUGHT CONDITION will be posted at the Dawson City Hall, the Dawson Post Office, the Bank and all other area businesses.

(2) THE NOTICE will be circulated to local newspapers and social media

Sec. 11.407 Termination Notification

Termination of the drought contingency measures will take place when the trigger conditions which initiated the contingency measures have subsided and the drought contingency measures are no longer necessary. The public will be informed of the termination in the same manner that they were informed of the initiation of the measures through order of the Mayor or duly appointed representative.

Sec. 11.408 Means of Implementation

(A) The Mayor or other representative will be authorized by the City Council to order the

initiation of drought contingency measures when a drought trigger condition occurs.

(B) In addition, the City has developed the following documents as a means to implement the emergency management plan:

(1) A resolution by the City stating the adoption of this emergency water demand management plan.

(2) An ordinance by the City to implement the legal documents necessary to enforce this emergency water demand management plan.

(C) Copies of these documents