

I. The Commission hereby approves the following proposed revisions to the 303(e) Basin Plan for Segments 3J and 4K, and directs the Director to request permission for such revisions from the Environmental Protection Agency:

Consistent with the policies set forth in Parts 2B, 7, and 11 of the 303(e) Basin Plan For Grand (Neosho) and Upper White Rivers, and Section 2 of Commission Regulation No. 2, as amended, the topic document be amended as follows:

Page 75 be deleted in its entirety and page 75R, Appendix I hereto, be substituted therefor.

In addition, the supplemental document entitled "Waste-Load Assimilative Capacity For Stream Segments 3H and 4J," dated November, 1973, by the Northwest Arkansas Regional Planning Commission, from which amended parameters were derived, be changed as follows:

(1) Page 5, first paragraph, ultimate sentence

delete.....all after "conditions"
add....were assumed to be 29 C^o for purposes of this document.

(2) Page 10, first paragraph

delete.....all after "streams"
add.....and target loads were not computed for purposes of this document but may be allocated on a case by case basis following a more detailed analysis of the streams' assimilative capacity.

(3) Page 11, first paragraph

delete....period after "below"
add....and in references cited by any approved special stream studies appended hereto as a part of this document (7-).

(4) Page 12

add....7. "Assimilative Capacity of Spring Creek, a report by Environmental Engineers, Incorporated, Springdale, Arkansas, 1976.

Reference No. 7, page 12, as amended, with review comments and correspondence, be appended at the end of this document as Appendix II.

COMMISSIONERS

JEB
KEK
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Ralph A. Dimona SUBMITTED BY: H. G. Hannah DATE PASSED: 1-27-78

ARKANSAS DEPARTMENT OF
POLLUTION CONTROL AND ECOLOGY

MINUTE ORDER NO. 78-

LOCATION - SUBJECT: _____

Revision to 303(e) Basin Plan for Grand
(Neosho) and Upper White River Segments
PAGE 2 OF 2 PAGES

- II. In approving this or similar revisions to 303(e) Basin Plans, the Commission is not relinquishing its right to require additional controls should the Commission later find that such controls are necessary to protect the Arkansas Water Quality Standards or to permit additional uses of the receiving stream without causing a violation of the Arkansas Water Quality Standards
- III. The Commission hereby authorizes the Director to request that the above noted actions be considered open-ended by the Environmental Protection Agency, to allow further amendments and documents of a similar nature to be appended to the existing Basin Plan, as amended, upon written approval by the Environmental Protection Agency.

COMMISSIONERS

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Ralph A. Dumas Submitted by; H. G. Hannah Date Passed: 1/27/78

ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY

MEMORANDUM

TO: Commission Members

FROM: Hugh Hannah

DATE: January 16, 1978

SUBJECT: AMENDMENTS TO GRAND (NEOSHO) AND UPPER
WHITE RIVER BASIN PLAN

The enclosed material is forwarded for your review prior to the next scheduled commission meeting on January 27, 1978.

A minute order will be proposed to amend the 303(e) Basin Plan for the Grand (Neosho) and Upper White River Basins as indicated in the enclosures.

These amendments are necessary to update the plan in light of more detailed engineering studies performed by the City of Springdale on the effects of its effluent upon Spring Creek. In short - the data indicates that the receiving stream has more assimilative capacity than was originally calculated. These original calculations were based upon generalized computer modeling techniques necessary to fit the sparse data base available at that time.

The staff has reviewed these data, including methods used and technical evaluations made, and is in concurrence with the contents of the study completed by the city.

Enclosures

/ewm

MUNICIPAL N.P.D.E.S. PERMIT INFORMATION

Treatment Facility Name Springdale Permit No. AR0022063
 Effective Date February 26, 1976 Expiration Date May 1, 1977

Effluent Limitations

A. Final Effluent Limitations

Beginning effective date and lasting through June 30, 1977
 Maximum Average Monthly Flow 8 MGD
 Maximum Daily Flow 20 MGD

<u>Parameter</u>	<u>Unit</u>	<u>Effluent Concentrations</u>		<u>Effluent Loadings</u>
		<u>30-day Average</u>	<u>7-day Average</u>	<u>30-day Average</u>
Biochemical Oxygen Demand (5-day)...	mg/l	<u>40</u>	<u>60</u>	<u>1363 kg/day</u>
Suspended Solids..	mg/l	<u>73</u>	<u>110</u>	<u>2487 kg/day</u>
Fecal Coliform Bacteria.....	#/100ml	<u>200</u>	<u>400</u>	

B. Projected Effluent Limitations

Beginning July 1, 1977 and lasting through Five Years
 Maximum Average Monthly Flow 8 MGD from effective date
 Maximum Daily Flow 20 MGD

<u>Parameter</u>	<u>Unit</u>	<u>Effluent Concentrations</u>		<u>Effluent Loadings</u>
		<u>30-day Average</u>	<u>7-day Average</u>	<u>30-day Average</u>
Biochemical Oxygen Demand (5-day)...	mg/l	<u>15</u>	<u>22</u>	<u>454 kg/day</u>
Suspended Solids..	mg/l	<u>15</u>	<u>22</u>	<u>454 kg/day</u>
Fecal Coliform Bacteria.....	#/100ml	<u>200</u>	<u>400</u>	

Additional Requirements:

The permittee shall continuously monitor Spring Creek at intermediate points downstream from the discharge covered by this permit. Such a monitoring program shall allow an hourly update of dissolved oxygen readings be available to the operator of the sewage treatment works.

The permittee shall, through this sample program and control of effluent quality and/or quantity, insure that the dissolved oxygen in Spring Creek does not become less than 6.0 mg/l as a result of the discharge covered by this permit.