

Water

CENTRAL PLAINS PLAN	COMMENTS	CMP* COMPARISION
Goals		
1. Reduce stormwater runoff by providing opportunities for infiltration of stormwater into the ground.	Duplicated in the CMP	Water Resources <i>Stormwater Management</i> (b) Objective: Review and develop effective strategies and regulations to reduce stormwater runoff. 1. Policy: Utilize Low Impact Development (LID) as a stormwater management approach and set of practices that can be used to reduce runoff and pollutant loadings by managing the runoff as close to its source(s) as possible. 3. Policy: Infiltration techniques should be the dominant stormwater management device when site conditions are technically feasible. (See Appendix C I. i.) i. Implementation: Create regulations that give incentives for infiltration and reduce runoff.
2. Manage water to limit the spread of water and/or mosquito borne diseases/viruses.	Duplicated in the CMP	Water Resources <i>Surface Water</i> (d) Objective: Manage water to limit the spread of vector and waterborne diseases.
3. Protect water quality and quantity.	Duplicated in the CMP	Water Resources <i>General</i> Goal: Protect the quality and quantity of water resources in the County.
Development Review Policies		
A. Stormwater Runoff Reduction		
The Urban Drainage Manual (Volume 3, or the latest version) should be consulted to select structural best management practices to reduce stormwater runoff. Developments should employ the four steps outlined in the manual: employ runoff reduction practices, provide water quality capture volume, stabilize drainage ways, address commercial and industrial best management practices.	Duplicated in the CMP	Water Resources <i>Stormwater Management</i> (a) Objective: Ensure new development protects water quality through compliance with stormwater BMPs, required by applicable state and federal regulations. (See Appendix C I. a.) (c) Objective: Manage stormwater runoff from existing development to protect water quality and encourage ground water recharge. 2. Policy: Existing development should be encouraged to implement stormwater quality BMPs. (See Appendix C I. a.) Appendix C: Environmental Section <i>I. Water Resources</i> a. Best Management Practices for Stormwater Quality The Urban Drainage Manual should be consulted to select Best Management Practices to address stormwater quality. Developments should be required to employ the four steps outlined in the manual: (1) employ runoff reduction practices, (2) provide water quality capture volume, (3) stabilize drainage ways, (4) employ commercial and industrial best management practices.

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B. Water Management		
1. Retention and detention ponds should be: a. Monitored regularly and maintained by the property owners, tenants or associations; b. Landscaped with appropriate plants and trees; c. Designed with infiltrative and porous surfaces; and d. Minimized in use as much as possible. Infiltration plans should be the dominant stormwater management device.	Duplicated in the CMP	Water Resources <i>Stormwater Management</i> 3. Policy: Infiltration techniques should be the dominant stormwater management device when site conditions are technically feasible. (See Appendix C I. i.) i. Implementation: Create regulations that give incentives for infiltration and reduce runoff. 4. Policy: Retention and detention ponds should be a. Monitored regularly and maintained by property owners, tenants or associations; b. Landscaped with appropriate plants and trees to emulate the natural environment; and c. Designed with infiltrative and porous surfaces. i. Implementation: Regulations should require regular monitoring and maintenance of structural BMPs to ensure long-term function.
2. Applications for development should be referred to Jefferson County Health and Environment to identify the best management practices for controlling water- and/or mosquito-borne diseases/viruses.	Duplicated in the CMP	Water Resources <i>Surface Water</i> 1. Policy: Refer applications for development to Jefferson County Public Health to identify the best management practices for controlling water and/ or mosquito-borne diseases/viruses.
C. Water Quality and Quantity		
1. New development or structures, fencing, or the keeping of livestock should not be located in flood plains, riparian areas or wetland habitats.	Duplicated in the CMP – Removed “floodplains” because it may be OK to have grazing in floodplains.	Water Resources <i>Surface Water</i> Objective E 5. Policy: All livestock should be managed so that they do not cause damage to riparian areas, canals, or wetlands. <i>Wetlands</i> Objective B 5. Policy: The keeping of livestock should not cause damage to wetland habitats.
2. Runoff from impervious surfaces and fertilized landscape areas should be filtered before it leaves the property.	Duplicated in the CMP	Water Resources <i>Stormwater Management</i> 4. Policy: Runoff from impervious surfaces and fertilized landscape areas should be filtered through vegetated buffers and grass swales or other infiltration structures to reduce pollutants before the runoff leaves the property.
3. All new development (residential and non-residential) should be served by a public water and sanitation district.	Duplicated in the CMP	Water Resources <i>Centralized Water and/or Sanitation Systems</i> 1. Policy: All new development in the plains and Activity Centers in the MGWOD should be served by a centralized water and sanitation system. Both water and sanitation services should be provided. However, where such systems are not available or fiscally viable, private wells and ISDS are permissible.

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4. Plant species should be selected and grouped to minimize consumption of irrigation water and prevent soil erosion.	Duplicated in the CMP	<p>Water Resources <i>Water Resource Conservation</i></p> <p>2. Policy: Design landscape plantings to:</p> <ul style="list-style-type: none"> a. Minimize water consumption; b. Blend with native vegetation using existing on-site trees and vegetation; c. Provide small animal habitat and forage; d. Minimize high-water-consuming turf; e. Limit the size and location of irrigated landscapes; f. Group plant materials based on water consumption; and g. Prevent soil erosion.
5. Native and drought-resistant plant species should be the dominant living landscape materials. The use of Blue Grass and other high water consumptive plants should be discouraged.	Duplicated in the CMP	<p>Water Resources <i>Water Resource Conservation</i></p> <p>(c) Objective: Design landscaping to conserve water.</p> <p>1. Policy: Encourage water conservation measures such as xeriscape, native drought tolerant plants and subsurface drip irrigation.</p> <ul style="list-style-type: none"> i. Implementation: Update landscaping regulations as new water conservation techniques are proven. ii. Implementation: The County should amend regulations to ensure that new covenants do not preclude xeriscape landscaping, or incorporation of native plants and grasses. <p>2. Policy: Design landscape plantings to:</p> <ul style="list-style-type: none"> a. Minimize water consumption; b. Blend with native vegetation using existing on-site trees and vegetation; c. Provide small animal habitat and forage; d. Minimize high-water-consuming turf; e. Limit the size and location of irrigated landscapes; f. Group plant materials based on water consumption; and g. Prevent soil erosion.
6. Industrial material, waste storage and livestock manure should be stored properly and managed to prevent water pollution.	Duplicated in the CMP	<p>Water Resources <i>Surface Water</i></p> <p>4. Policy: Industrial material, waste storage and livestock manure should be stored properly and managed to protect water quality.</p>
III. Implementation Strategies		
A. Stormwater Runoff Reduction		
1. The county should develop educational programs to inform developers and residents about the best management practices for stormwater to protect water quantity, quality and public health. The county should develop incentives to encourage developers to use runoff reduction or infiltration practices in addition to detention or retention methods.	Duplicated in the CMP	<p>Water Resources <i>Education</i></p> <p>3. Policy: The County should develop educational programs to inform developers and residents about the BMPs for stormwater to protect water quantity, quality and public health.</p> <p>Water Resources <i>Stormwater Management</i></p> <p>Objective B, Policy 3</p> <ul style="list-style-type: none"> i. Implementation: Create regulations that give incentives for infiltration and reduce runoff. <p>Objective C, Policy 2,</p> <ul style="list-style-type: none"> i. Implementation: Create incentives to encourage existing development to improve infiltration and reduce runoff.

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<p>2. The county should work with the adjacent cities, stormwater districts, park and recreation districts, metro districts, developers, and residents to develop new, innovative standards for stormwater management. Runoff reduction or infiltration plans that naturally filter and/or recharge ground water should be developed, rather than management plans that collect and convey stormwater down stream.</p>	<p>Duplicated in the CMP</p>	<p>Water Resources <i>Stormwater Management</i> Objective B 2. Policy: The County should work with adjacent cities and counties, stormwater districts, park and recreation districts, metro districts, developers, and residents to develop new, innovative standards for stormwater management. 3. Policy: Infiltration techniques should be the dominant stormwater management device when site conditions are technically feasible. (See Appendix C I. i.) i. Implementation: Create regulations that give incentives for infiltration and reduce runoff.</p>
<p>3. The county should evaluate the Land Development Regulation and Zoning Resolution, and revise regulations that conflict with the goal of reducing net runoff volume through infiltration.</p>	<p>Delete</p>	<p>Note: This was completed with recent regulation revisions that encourage infiltration.</p>
<p>4. The Urban Drainage Manual (Volume 3, or the latest version) should be consulted for additional information on best stormwater management practices.</p>	<p>Duplicated in the CMP</p>	<p>Water Resources <i>Stormwater Management</i> (a) Objective: Ensure new development protects water quality through compliance with stormwater BMPs, required by applicable state and federal regulations. (See Appendix C I. a.)</p> <p>Appendix C: Environmental Section <i>I. Water Resources</i> a. Best Management Practices for Stormwater Quality The Urban Drainage Manual should be consulted to select Best Management Practices to address stormwater quality. Developments should be required to employ the four steps outlined in the manual: (1) employ runoff reduction practices, (2) provide water quality capture volume, (3) stabilize drainage ways, (4) employ commercial and industrial best management practices.</p>
<p>B. Water Quality and Quantity</p>		
<p>1. The county should create a program to identify and eliminate point source and non-point source contamination of stormwater.</p>	<p>Duplicated in the CMP</p>	<p>Water Resources <i>Stormwater Management</i> 2. Policy: Identify appropriate measures to protect water resources from effects of point and non-point sources of stormwater pollution. ii. Implementation: The County should identify point source and nonpoint source contamination of stormwater.</p> <p>Note: The County cannot entirely eliminate contamination of stormwater, but we can try to protect water resources from its effects.</p>
<p>2. The county should facilitate the distribution of information regarding water quantity and quality and sanitation problems so individuals are aware and can take appropriate actions.</p>	<p>Duplicated in the CMP</p>	<p>Water Resources <i>Education</i> Objective A 1. Policy: The County should facilitate the distribution of information regarding water quantity and quality and sanitation problems so individuals are aware and can take appropriate actions.</p>

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<p>3. The service plans for water and sewer special districts should:</p> <ul style="list-style-type: none"> a. Show that the district is economically viable; b. Ensure that water pressure and volume will be adequate for fire protection purposes; and c. Provide hydrologic evidence that neighboring water users will not be adversely affected. 	<p>Duplicated in the CMP/Delete</p>	<p>Services, Special Districts, Facilities, and Utilities <i>Special Districts</i> i) Special districts should be well planned, fiscally responsible and provide a satisfactory level of quality, quantity and dependability of services.</p> <p>Note: State Statute has specific criteria that must be met when a special district is created, no matter what type of special district.</p>
<p>4. Irrigation ditch companies should provide information to adjacent property owners and residents with regard to management and water plans. Ditch companies should also monitor and treat ditch water to prevent water- and/or mosquito-borne diseases/viruses.</p>	<p>Duplicated in the CMP</p>	<p>Water Resources <i>Education</i> Objective A 9. Policy: Irrigation ditch companies should provide information to adjacent property owners and residents with regard to management and water plans.</p> <p><i>Surface Water</i> Objective D 2. Policy: Ditch companies should monitor and treat ditch water to prevent water- and/or mosquito-borne diseases/viruses.</p>
<p>5. The county should explore alternatives for road treatment in winter, choosing options with the least amount of harmful environmental and health impacts.</p>	<p>Duplicated in the CMP</p>	<p>Water Resources <i>Surface Water</i> Objective B 2. Policy: The County should explore alternatives for road treatment in winter, choosing effective options with the least amount of harmful environmental and health impacts.</p>

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