

APPENDIX A

In an effort to remain compliant with new stormwater regulations, Salt Lake County is proposing zoning ordinance updates to include stream setbacks. There is a sizeable amount of science that suggests stream setbacks with vegetated stream buffer zones can have significant impacts to water quality and stream ecology. This appendix summarizes many of the reasons the County is proposing these changes.

EPA Compliance Evaluation Inspection (CEI) of Salt Lake County's Municipal Separate Storm Sewer System (MS4) Stormwater Program

Background information-As part of the Federal Clean Water Act amendment, Salt Lake County was permitted as a Phase 1 Municipal Separate Storm Sewer System (MS4) in 1995, allowing the County to discharge municipal stormwater to water bodies of the State. With oversight from the EPA, this permit is regulated by the Utah Division of Water Quality (DWQ) under the Utah Pollutant Discharge Elimination System (UPDES) Jordan Valley Municipalities Permit No. UTS000001. This permit is typically renewed every five years. The permits were issued to the County in 2001, 2006, 2013 and 2020.

The Salt Lake County Stormwater Program was audited for the first time on June 26th and 27th, 2007 by the State DWQ. During this audit, the DWQ identified nine deficiencies with corrective actions in a final report dated August 19th, 2009. The County submitted a final response plan on September 11th, 2009 and began correcting the identified deficiencies.

The next Compliance Evaluation Inspection (CEI) occurred when the County was contacted by the EPA on February 17th, 2012 and informed of their intent to conduct a comprehensive evaluation inspection of Salt Lake County's stormwater MS4 program and 2006 permit on the week of March 5-9, 2012, which they did. Four EPA inspectors conducted an inspection that week to review plans and records of randomly selected sites within the unincorporated County as well as County-wide facilities. In summary, the EPA identified 48 total findings (44 that required corrective actions and 4 recommendations) during their inspection in a report to the County dated June 20th, 2012.

The County submitted a corrective action plan to the EPA on August 31, 2012 that addressed all 48 findings. The County proceeded to implement the corrective action plan.

On February 2nd, 2015, the County received a letter from the Department of Justice (DOJ) stating they "were prepared to bring a federal court action against the County of Salt Lake....for violations of the Clean Water Act" and violations of its UPDES permit pertaining to the 2012 CEI.

The court action placed Salt Lake County under a Consent Decree requiring a fine be paid and the stormwater program be brought into compliance with its existing UPDES Permit. Specifically, the final Consent Decree required payment of a \$280,000 fine (\$140,000 to the EPA & \$140,000 to the State DWQ). The fine to the EPA was paid on May 6th, 2016.

In addition, as part of the Consent Decree, there were 27 compliance requirements, including the need to update existing stormwater ordinances, including fines and penalties for enforcement related activities for violations of the Clean Water Act. The compliance requirements at that time were met and Salt Lake County was released from the Consent Decree April 6, 2019.

The County was issued a new UPDES Permit on February 26, 2020, which contained new language detailing increased requirements of municipal bodies to regulate stormwater with respect to nutrient loads and to specifically address how they were planning to protect "Impaired Waterbodies" within their respective jurisdictions.

Impaired Waterbodies in Salt Lake County

The State of Utah defines the need to protect surface waters in UAC Rule 317-2-1A. This rule reads:

"Whereas the pollution of the waters of this state constitute a menace to public health and welfare, creates public nuisances, is harmful to wildlife, fish and aquatic life, and impairs domestic, agricultural, industrial, recreational and other legitimate beneficial uses of water, and whereas such pollution is contrary to the best interests of the state and its policy for the conservation of the water resources of the state, it is hereby declared to be the public policy of this state to conserve the waters of the state and to protect, maintain and improve the quality thereof for public water supplies, for the propagation of wildlife, fish and aquatic life, and for domestic, agricultural, industrial, recreational and other legitimate beneficial uses; to provide that no waste be discharged into any waters of the state without first being given the degree of treatment necessary to protect the legitimate beneficial uses of such waters; to provide for the prevention, abatement and control of new or existing water pollution; to place first in priority those control measures directed toward elimination of pollution which creates hazards to the public health; to insure due consideration of financial problems imposed on water polluters through pursuit of these objectives; and to cooperate with other agencies of the state, agencies of other states and the federal government in carrying out these objectives."

The State of Utah uses science wherever possible to implement Rule 317. Data is collected in surface waters to determine if these waters meet defined beneficial uses. If waters meet quality standards for applicable beneficial uses, surface waters are considered "Fully Supporting" these uses. If one or more of the uses have quality standards not being met, waters are considered "Impaired". A map of these surface waters and their status can be found at:

<https://deq.utah.gov/water-quality/most-recent-approved-integrated-report>

The Combined 2018/2020 Integrated Report (IR) assesses the quality of the surface waters in the state and identifies waterbodies that are not meeting water quality standards. These standards support the designated beneficial uses that protect water quality for NOT JUST drinking water, but for recreation, aquatic life, and agriculture and others as well. Waterbodies or sub-

watersheds that do not meet one or more of their beneficial uses are classified as "Impaired" in the IR and placed on the federal Clean Water Act 303(d) List of Impaired Waterbodies. Watersheds can also be considered as "Impaired" as many of the pollutants of concern, like E. coli, originate from terrestrial origins and are controlled by land management practices.

A river or stream, for purposes of the integrated Report (IR), is defined as flowing surface water moving under the force of gravity. Flowing surface waters include perennial, intermittent, and ephemeral surface waters, springs, and seeps, provided they are flowing and connect, contribute, or are influencing water quality in a downstream river or stream. Source: <https://deg.utah.gov/water-quality/most-recent-approved-integrated-report>

Protected watersheds generally only protect specific geographic areas for drinking water quality standards and do not apply to watersheds for other beneficial uses. Beneficial uses other than drinking water are still protected by UAC Rule 317 and have water quality standards associated with them.

There are numerous stream segments or reaches that are considered impaired by the definitions listed above. Many of these areas fall within FR/FA zoned areas. Although this zoning ordinance update will affect those areas, vegetated stream setbacks are a management practice that can benefit a host of water quality stressors including bacterial impairments, excess sediment from runoff including construction runoff, temperature, dissolved oxygen and nutrients. The beneficial impacts from implementing this BMP are hard to overstate.

Source: Scientific Recommendations on the Size of Stream Vegetated Buffers Needed to Protect Water Quality, Montana DEQ 2008

https://mwcc.kjpc.tech/media/library/content/MA_Science_Setback_Wildlife_2008.pdf

Much of the discussion centered around the introduction of Vegetated Riparian Buffers comes from residents in the High Country Estates area in the SW Quadrant of Salt Lake County who live near Rose Creek. Rose Creek is on the 303(d) list of impaired waters for violating the 2B Water Quality Standard for E. coli. E. coli is a bacterial organism found in the digestive tracts of warm-blooded animals.

Many claims have been made about E. coli and how it pertains to horses. One of the claims, horses do not have E. coli in their digestive tract, has been circulating throughout the discussion around the Rose Creek impairment. This claim is not consistent with scientific articles published on the topic. "Longitudinal study of Clostridium difficile and antimicrobial susceptibility of Escherichia coli in healthy horses in a community setting", a longitudinal study published by A. Schoster, 2012, indicates a different finding. 77.3% of horse manure tested positive for E. coli in this particular study.

Source: <https://pubmed.ncbi.nlm.nih.gov/22554764/>

Another blog posted by "Standardbred Canada" titled "E. coli, water testing and horses, what are the risks?" published by Dr. Alison Moore in 2017, also indicated E. coli is found in horse manure and cited the previous study.

Source: <https://standardbredcanada.ca/blog/alison-moore/3-23-17/e-coli-water-testing-and-horses-what-are-risks.html>

After reviewing these and other relevant studies from Rutgers and Michigan State University pertaining to E. coli in horse manure, staff concludes the argument that horses do not have E. coli is not supported by scientific literature.

Sources: <https://njaes.rutgers.edu/fs036/> ,
<https://www.sciencedirect.com/science/article/pii/S0167587723000211>

These claims also miss the point that E. coli is an indicator of fecal contamination in water supplies, which is a violation of the clean water act. Utah DWQ and municipalities which DWQ regulates are obligated to address this impairment and ensure we have plans to control this pollutant from entering impaired receiving waters as indicated by Section 3.1.2 of the Jordan Valley UPDES Permit:

3.1.2. **Water Quality Controls for Discharges to Impaired Water bodies.** If the Co-Permittee discharges to an impaired waterbody, the Co-Permittee shall include in its SWMP document a description of how the Co-Permittee will control the discharge of the pollutants of concern. This description must identify the measures and BMPs that will collectively control the discharge of the pollutants of concern. The measures must be presented in the order of priority with respect to controlling the pollutants of concern.

<https://documents.deq.utah.gov/water-quality/facilities/jordan-valley-municipalities/DWQ-2023-003215.pdf>

The Total Maximum Daily Load (TMDL) Study for Rose Creek is ranked as high priority by the State of Utah. This study will assess the data collected to date and attempt to determine the cause(s) of the water quality impairment in Rose Creek. After the cause is identified, potential solutions will be identified by the stakeholder group assembled to characterize this problem. A TMDL is the calculation of the maximum amount of a pollutant allowed to enter a waterbody so that the waterbody will meet and continue to meet water quality standards for that particular pollutant.

TMDL Status Update:

TMDL Main Report: <https://documents.deq.utah.gov/water-quality/watershed-protection/total-maximum-daily-loads/DWQ-2022-032026.pdf>

TMDL Appendices: <https://documents.deq.utah.gov/water-quality/watershed-protection/total-maximum-daily-loads/DWQ-2022-032001.pdf>

The Jordan River E. coli TMDL study has been published and signed into law by the State of Utah, and the Jordan Valley UPDES Permit E. coli related updates were adopted as of 8/16/2023. The UPDES updates allow a 180-day implementation period for Salt Lake County and other named UPDES permittees to implement structural (physical structures) and non-structural

(educational or regulatory) Best Management Practices (BMP's) to protect receiving waters from E. coli pollution. Rose Creek is one the tributaries of the Jordan River listed as impaired in this TMDL (Jordan River E. coli TMDL, Table 3 pg. 17). Accordingly, there is significant urgency for Salt Lake County to address this problem, including via the proposed ordinance.

The process used to list Rose Creek as an impaired waterbody in this TMDL is described in detail in the TMDL main report and appendices. In summary, data was collected and analyzed between 2012 and 2022 at three different monitoring locations along Rose Creek. Rose Creek at Yellow Fork Canyon trailhead (RC_11.32), Rose Creek at Arnold Hollow Rd (RC_10.58) and Rose Creek above the confluence with the Jordan River (RC_00.71) are the sites where data was collected. At the upper sites, RC 11.32 and RC_10.58, approximately 1/3 of the 65 samples collected did not meet water quality standards with max samples exceeding the 2,419 organisms/100 ml sampling threshold, meaning the E. coli presence was too numerous to count. At RC_00.71, 89% of the samples exceeded water quality standards and max samples were found at this location as well. The highest samples were generally observed in the months of June-October.

The Standard used to list waterbodies as impaired is described on page 14 of the main report and reads:

"The E. coli numeric criteria for designated beneficial use Class 1C (drinking water) and 2B (infrequent primary contact recreation) waters state that sample concentrations may not exceed 206 MPN per 100 milliliter (mL) as a 30-day and recreation season geometric mean, or a maximum of 668 MPN per 100 mL in more than 10% of samples collected during the recreation season. The 30-day geometric mean is based on no less than five samples collected more than 48 hours apart within 30 days. The three assessment scenarios for E. coli in Utah's waters are shown below. 1. For years with ≥ 5 collection events no less than 48 hours apart in any recreation season (May 1 through October 30), no more than 10% of samples collected from May 1 through October 30 should exceed 668 MPN/100 mL. 2. For recreation seasons with ≥ 5 collection events no less than 48 hours apart, no 30-day interval geometric mean should exceed 206 MPN/100 mL. 3. For recreation seasons with ≥ 10 collection events, the geometric mean of all samples should not exceed 206 MPN/100 mL."

The TMDL also discusses the need to reduce the amount of E. coli entering the Jordan River and tributaries. The Rose Creek assessment Unit will need to have 83% reductions in E. coli concentrations to meet water quality standards.

These reductions will need to happen in response to the use of strategically implemented BMP's. The location and distribution of the of the BMP's will depend on the nature and severity of the water quality violation but need to address the likely sources of impairment. The TMDL document specifically acknowledges the problem of domestic animals near impaired waterways; "Based upon visual inspection, however, cattle, sheep, horses and chickens are present in the watershed. One goal of the implementation plan of this TMDL is to identify areas where livestock waste has the potential to enter waterways" (Jordan River TMDL, pg 39). Thus BMP's Salt Lake County needs to implement must include either a structural (physical pollution control) or non-structural (regulatory pollution control) strategy to keep animal waste from entering

receiving waters. Vegetated buffers created through a non-structural regulatory BMP (Ordinance update) are the preferred strategy to achieve this compliance point as the structural BMP's available (such as berms, fencing, underground collection galleries, etc) are far more restrictive and onerous.

The duty to comply with the UPDES Permit is described in detail in the permit itself, section 6.1-6.2.

6.1. Duty to Comply

The Co-Permittee must comply with all conditions of this Permit. Any Permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of Permit coverage. The Co-Permittee shall give advance notice to the Director of any planned changes in the Permitted facility or activity, which may result in noncompliance with Permit requirements.

6.2. Penalties for Violations of Permit Conditions

The Act provides that any person who violates a Permit condition implementing provisions of the Act is subject to a civil penalty not to exceed \$10,000 per day of such violation. Any person who willfully or negligently violates Permit conditions or the Act is subject to a fine not exceeding \$25,000 per day of violation. Any person convicted under UCA 19-5-115(2) a second time shall be punished by a fine not exceeding \$50,000 per day. These penalties can be assessed to individuals or municipal governments found to be out of compliance with Clean Water Act regulations.

The need for Stream Setbacks

Water resources are critical to the economy, public welfare and quality of life as stated in UAC Rule 317-2-1A. Development and land management practices have measurable effects on these resources. Riparian areas (stream side vegetation communities) and their associated wetlands, where water and land come together, are particularly sensitive to development and disturbance. The more developed the land surrounding these resources becomes the greater the need to protect them.

As a result of these pressures, land managers and planning officials consider the health of riparian areas and surrounding wetlands when considering ordinances governing planning and zoning in these areas. One of the most effective tools planners and local governments have to protect these areas is to set back structures and protect streamside buffers of native vegetation. The vegetated buffer is the workhorse of the setback tool because it is the area that filters out pollutants, helps prevent unnatural erosion, works to minimize the impact of floods, sustains the food and habitat of fish and wildlife and more. As a result, relevant scientific studies focus on the vegetated buffer portion of this tool. Much data has been collected about what types and how wide these setbacks and associated vegetated buffers must be. The general consensus is that a vegetated buffer needs to be at least 100' in width. The setback should be wide enough to

prohibit degradation of the vegetated buffer; lawns, patios, playgrounds, outbuildings and other features introducing foot traffic should be kept outside the setback radius. The table below summarizes the results from 77 different scientific studies regarding stream buffer width.

| Type of Water Pollution | Average Stream Buffer Width | Number of Studies Used in Calculating Desired Buffer Width |
|---|--|--|
| Erosion control | 100-year floodplain, but at least 100 feet | Review article conclusion (Wenger 1999) |
| Flood control, includes channel migration ability | 100-year floodplain | Review article conclusion (Castelle et al 1994) |
| Nutrient | 100 feet (range 33–600 feet) | 12 |
| Ammonia reduction (78% reduction) | 164 feet | 1 |
| Fecal coliform | 129 feet (range 100–600 feet) | 4 |
| Nitrates in surface runoff | 113 feet (range 33–279 feet) | 5 |
| Nitrates in shallow groundwater | 168 feet (range 3–721 feet) | 31 |
| Nitrogen | 87 feet (range 5–164 feet) | 4 |
| Pesticides | 182 feet (range 164–200 feet) | 2 |
| Phosphorus | 106 feet (range 53–200 feet) | 6 |
| Sediment | 103 feet (range 30–300 feet) | 19 |
| Average Stream Buffer Width Needed to Filter Approximately 80% of Pollutants | 132 feet | |

Source: Scientific Recommendations on the Size of Stream Vegetated Buffers Needed to Protect Water Quality, Montana DEQ 2008

These setbacks should be increased if properties surrounding streams have steep slopes, which increase erosion potential and related runoff, erodible soils for the same reason or if the stream in question is impaired, which Rose Creek is. For these reasons, the 300' setback was originally proposed on properties that could potentially house larger numbers of animals.

Many municipalities are dealing with water quality impairments and an evolving regulatory landscape. Setbacks are one of the most beneficial tools municipal leaders have to deal with the regulatory challenges they are facing. Many municipalities have already undertaken this challenge including Salt Lake City, Cottonwood Heights, Lehi City and Saratoga Springs. These proactive municipalities have riparian protection ordinances already passed and many other municipal governments have riparian ordinances or overlay zones in process. Related, a new legislative task force led by Representative Gay Bennion, House District 41, is examining how to remove barriers and create ordinances like these for municipal leaders.

APPENDIX B

=SALT LAKE COUNTY ORDINANCE

ORDINANCE NO. _____, 2023

ANIMAL ORDINANCE UPDATE FOR FR AND FA ZONES

AN ORDINANCE OF GENERAL REVISION, AMENDING THE FOLLOWING SECTIONS OF THE SALT LAKE COUNTY CODE OF ORDINANCES, 2001: 19.12.020 (PERMITTED USES IN THE FORESTRY AND RECREATION (FR) ZONE), 19.12.030(G)(CONDITIONAL USES IN THE FR ZONE), AND 19.54.020 (PERMITTED USES IN THE FOOTHILL AGRICULTURE (FA) ZONE) TO HAVE DISTINCT REGULATIONS IN THE FR AND FA ZONES WITH REGARDS TO ANIMAL USES AND THEIR ASSOCIATED IMPACTS ON ADJOINING PROPERTIES, THE ENVIRONMENT, AND THE WELL-BEING OF ANIMALS; AND MAKING OTHER RELATED CHANGES.

The County Legislative Body of Salt Lake County ordains as follows:

SECTION I. The amendments made here are designated by underlining the new substituted words. Words being deleted are designated by brackets and interlineations.

SECTION II. Section 19.12.020 of the Salt Lake County Code of Ordinances is amended as follows:

19.12.020 – Permitted Uses

The following uses are permitted in the FR zones subject to compliance with all applicable requirements set forth in this chapter including those relating to site and lot dimensions, development standards, and other regulations:

- A. Accessory uses and structures customarily incidental to a permitted use;
- B. Agriculture, as defined in Section 19.04.020;
- C. Apiary;
- ~~C~~D. Home business, subject to Chapter 19.85;
- ~~D~~E. Home day care/preschool for six or fewer children subject to the conditions set forth in Section 19.04.293;

F. Horses, and animals and fowl for family food production as defined in Chapter 19.04 of this title, provided that:

1. The area proposed for such use is not a protected watershed area, as determined by the health department's watershed regulation;

2. ~~For p~~Properties ~~that do not~~ include within their borders, ~~do not~~ adjoin, or are ~~not~~ within ~~100'-50'~~ of ephemeral streams or ~~100'~~ of perennial streams, as defined in Salt Lake County Code Chapter 19.72.:

~~a. All horses, animals, or fowl allowed in this subsection (F) are housed or otherwise confined at least 100' away from an ephemeral or perennial stream.~~

~~(i) This requirement shall not apply to noncomplying structures, as defined in Chapter 19.04.~~

~~b. The limits prescribed in the definition of family food production in Chapter 19.04 apply.~~

~~c. Two horses per acre for a maximum of four (4) horses are allowed.~~

3. ~~For properties that do not include within their borders, do not adjoin, or are not within 100' of ephemeral streams or perennial streams, t~~The following limits apply:

a. the limits prescribed in the definition of family food production in Chapter 19.04.

b. a maximum of two (2) horses per 1/2 acre are allowed.

4. If horses, or animals or fowl for family food production were approved by a land use permit prior to adoption of this subsection (F), that permit governs over this subsection (F).

5. For purposes of this subsection (F), ~~one-two (12) horses~~ per 1/2 acre ~~is~~are allowed; ~~subject to subsection (2)(d) and (3)(e).~~ Property acreage will not be rounded up to accommodate additional horses. Properties must be a minimum of one-half (1/2) acre to have horses, cows, goats, or sheep. ~~For purposes of this subsection (F)(5), P~~property acreage shall not include ~~the footprint of a home, driveway, accessory structures that do not support animals, and the 100' setbacks referenced in subsection (F)~~any portion of the property that exceeds 30% slope. Applicant will submit a slope analysis of the property, with contour at vertical intervals of not more than two feet, showing which portions of the property exceed 30% slope.

6. Applicant submits a manure management plan, which shall address mitigation of stormwater runoff, odor, and flies, and shall include the following:

a. Clean-up of manure ~~in stalls~~ and off-site deposit of the same ~~in warm and cold-weather seasons.~~ Manure storage or composting is ~~not~~ allowed ~~except as in accordance with Salt Lake County Health Department General Sanitation Regulation explicitly permits~~regarding composting.

b. Siting of ~~newly constructed~~ stalls to protect surface water, drainageways, wellheads, streams and irrigation ditches.

c. Bedding system such as stall mats, hay, wood shaving, and/or wood pellets.

7. The property is not used for a business in which trail rides originate from the property.

a. The property may be used for a horse riding instruction business so long as that instruction is confined to the property, students do not transport their own horses to the property, and the property otherwise complies with the home business requirements in chapter 19.85; to the extent chapter 19.85 conflicts with this subsection (F)(6)(a), this subsection shall control.

b. The property may be used to board horses for others so long as all of the requirements of this subsection (F) are met.

8. The water service provider(s) for the subject property provides written approval of having animals on the subject property in accordance with its regulations.

89. A permit is obtained upon compliance with this subsection (F), notwithstanding section 19.02.090.

[E]G. Household pets, provided the area proposed for animals is not in a protected watershed area, primary water supply recharge area, or drinking water source protection area, as determined by the Salt Lake [~~Valley~~] County health department or Utah Department of Environmental Quality;

[F]H Minor ski resort improvements, provided:

1. That the privately owned land areas on which such improvements are permitted constitute less than ten percent of the total land area utilized for the ski resort that the improvements support, and
2. That at least ninety percent of the land area on which the improvements are developed, operated, and maintained is on public lands, and
3. That the public agency responsible for the management and administration of such lands has previously approved a special use permit or similar regulatory authorization, and has assumed long-term administrative and enforcement responsibilities for such approvals, and
4. That opportunities for public notice, review, and comment on the proposed improvements have been provided through a finalized National Environmental Policy Act (NEPA) or other comprehensive public review and comment process, and
5. That such improvements are either:
 - a. Essential to public safety, or
 - b. Required in association with the reasonable repair or maintenance of existing legally established facilities and improvements, or
 - c. Essential to the continuation or extension of improvements approved under the terms of a governmental land lease or use permit or by final action of the federal or state governmental agency with jurisdiction over the lands on which the improvements are located;

[G]I. Residential facility for persons with a disability;

[H]J. Single-family dwellings;

[F]K. Wireless telecommunication facilities; provided:

1. The wireless telecommunication facility is a wall-mounted or roof-mounted facility, and
2. The facility is mounted on a nonresidential building, and
3. A computer-generated visual simulation of the proposed structure is submitted as part of the required site plan, and
4. All other applicable requirements set forth in Chapter 19.83, "Wireless Telecommunications Facilities," are satisfied.

SECTION III. Section 19.12.030(G) of the Salt Lake County Code of Ordinances is

~~repealed-amended~~ as follows:

19.12.030 – Conditional Uses

G. Horses, and animals and fowl for family food production, as defined in Section 19.04.235 of this title, when the property includes within its borders, adjoins, or is within 50' of ephemeral streams or 100' of perennial streams (as defined in Salt Lake County Code Chapter 19.72), provided that:

1. The area proposed for animals is not a watershed area, as determined by the health department;~~;-and~~
2. All horses, animals, or fowl allowed in this subsection (G) are housed or otherwise confined at least 50' away from an ephemeral stream or 100' away from a perennial stream, subject to the following:
 - a. The commission may reduce the above setbacks by 25% upon the applicant submitting and implementing a riparian vegetation plan that creates a riparian zone in the setback which is in accordance with recommendations in the Salt Lake County "Stream Care Guide" and the following subsections from the Landscape Design Standards section of the Salt Lake County zoning ordinance: Plant Quality, Plant Coverage and Growth Rate, Species Diversity, and Plant Size Requirements at Planting.
 - b. If the commission approves a setback reduction under subsection (G)(2)(a), structures that house horses, animals, or fowl may not be constructed until the applicant provides a bond in the amount of the estimated cost of implementing the riparian vegetation plan, as determined by the Director, in accordance with Salt Lake County Code section 19.02.110; the bond shall only be released in accordance with that section.
 - c. This subsection (G)(2) shall not apply to structures that lawfully existed as of the effective date of this subsection. Under Salt Lake County Code section 19.02.090, land use permits are not required for the keeping of animals; under Utah Code section 15A-1-204, a building permit is generally not required for structures used for the keeping of animals.

3. No more than two horses per ½ acre for a maximum of four (4) horses are allowed, and the limits on other animals prescribed in the definition of family food production in Chapter 19.04 apply:
 - a. Property acreage will not be rounded up to accommodate additional horses. Properties must be a minimum of ½ acre to have horses, cows, goats, or sheep. For purposes of this subsection (G)(3), property acreage shall not include any portion of the property in excess of 30% slope. Applicant will submit a slope analysis of the property, with contour at vertical intervals of not more than two feet, showing which portions of the property exceed 30% slope.
 - b. If horses, or animals or fowl for family food production were approved by a land use permit prior to adoption of this subsection (G)(3), that permit governs over this subsection.
4. Applicant submits a manure management plan, which shall address mitigation of stormwater runoff, odor, and flies, and shall include the following:
 - a. Clean-up of manure and off-site deposit of the same. Manure storage or composting is allowed in accordance with Salt Lake County Health Department General Sanitation Regulation regarding composting. Compost piles shall not be located within 100' of a perennial stream or within 50' of an ephemeral stream. Manure storage or composting is not allowed except as Salt Lake County Health Department General Sanitation Regulation explicitly permits composting.
 - b. Siting of newly constructed stalls to protect surface water, drainageways, wellheads, streams and irrigation ditches.
 - c. Bedding system such as stall mats, hay, wood shaving, and/or wood pellets.
5. The water service provider(s) for the property provides written approval of having animals on the property in accordance with its regulations.
6. The property is not used for a business in which trail rides originate from the property.
 - a. The property may be used for a horse riding instruction business so long as that instruction is confined to the property, students do not transport their own horses to the property, and the property otherwise complies with the home business requirements in chapter 19.85; to the extent chapter 19.85 conflicts with this subsection (F)(6)(a), this subsection shall control.
 - b. The property may be used to board horses for others so long as all of the requirements of this subsection (F) are met.
2. ~~The use will not create unreasonable on-site erosion, downstream siltation, bacteriological or biological pollution in subsurface or surface waters, destruction of vegetation, air pollution, including dust and odors or other detrimental environmental effects. In determining the environmental effects of the use, the planning commission shall seek and consider recommendations from the health department and other concerned agencies, and may require the applicant to submit scientific studies~~

~~including analysis of slope, soils, vegetative cover, availability of water, and other elements necessary to establish environmental effects of the proposed use, and~~

- ~~3. The planning commission may limit the number of animals and fowl, or limit the amount of ground to be devoted to such use, or make other conditions to ensure environmental protection, and~~
- ~~4. After the use is established, if the planning commission determines, based on findings of facts, that unreasonable environmental degradation is occurring, the planning commission may, after notification to the applicant and hearing, establish additional conditions or order the use to be abated;]~~

SECTION IV. Section 19.54.020 of the Salt Lake County Code of Ordinances is amended as follows:

19.54.020 – Permitted Uses

The following uses are permitted in the FA zones subject to meeting all applicable requirements set forth in this chapter and ordinance relating to site and lot dimensions, development standards, and other regulations.

- A. Accessory uses and structures customarily incident to a permitted use;
- B. Agriculture, as defined in Section 19.04.020 of this title;
- C. ~~Animals and fowl for family food production, as defined in Section 19.04.235; household pets; a maximum of four horses for private use only;~~

Horses, and animals and fowl for family food production as defined in Section 19.04.235 of this title, provided that:

1. The area proposed for such use is not a protected watershed area, as determined by the health department’s watershed regulation;

2. For properties that include within their borders, adjoin, or are within ~~400’-50’~~ of ephemeral streams or ~~100’~~ of perennial streams, as defined in Salt Lake County Code Chapter 19.72, ~~∴ All horses, animals, or fowl allowed in this subsection (C) are housed or otherwise confined at least 50’ away from an ephemeral stream or 100’ away from a perennial stream, subject to the following:~~

a. The Director may reduce the above setbacks by 25% upon the applicant submitting and implementing a riparian vegetation plan that creates a riparian zone in the setback which is in accordance with recommendations in the Salt Lake County “Stream Care Guide” and the following subsections from the Landscape Design Standards section of the Salt Lake County zoning ordinance: Plant Quality, Plant Coverage and Growth Rate, Species Diversity, and Plant Size Requirements at Planting.

b. If the Director approves a setback reduction under subsection (C)(2)(a), structures that house horses, animals, or fowl may not be constructed until the applicant provides a bond in the amount of the estimated cost to implement the riparian vegetation plan, as determined by the Director, in accordance with Salt Lake County

Code section 19.02.110; the bond shall only be released in accordance with that section.

(ic) This subsection (G)(2) shall not apply to structures that lawfully existed as of the effective date of this subsection. Under Salt Lake County Code section 19.02.090, land use permits are not required for the keeping of animals; under Utah Code section 15A-1-204, a building permit is generally not required for structures used for the keeping of animals. ~~This requirement shall not apply to noncomplying structures, as defined in Chapter 19.04.~~

3. The limits prescribed in the definition of family food production in Chapter 19.04 apply. A maximum of four horses for private use only is permitted.

4. Properties with horses, cows, goats, or sheep are a minimum of one acre. ~~Property acreage shall not include the footprint of a home, driveway, accessory structures that do not support animals, and the 100' setbacks referenced in subsection (C).~~

5. If horses, or animals or fowl for family food production were approved by a land use permit prior to adoption of the ~~2021-2023~~ changes to this subsection (C), that permit governs over this subsection (C).

6. Applicant submits a manure management plan, which shall address mitigation of stormwater runoff, odor, and flies, and shall include the following:

a. Clean-up of manure ~~in stalls~~ and off-site deposit of the same ~~in warm and cold-weather seasons. Manure storage or composting is allowed in accordance with Salt Lake County Health Department General Sanitation Regulation regarding composting. Compost piles shall not be located within 100' of a perennial stream or within 50' of an ephemeral stream.— Manure storage or composting is not allowed except as Salt Lake County Health Department General Sanitation Regulation explicitly permits composting.~~

b. Siting of ~~newly constructed~~ stalls to protect surface water, drainageways, wellheads, streams and irrigation ditches.

c. Bedding system such as stall mats, hay, wood shaving, and/or wood pellets.

7. The water service provider(s) for the subject property provides written approval of having animals on the subject property ~~in accordance with its regulations.~~

8. A permit is obtained upon compliance with this subsection (C), notwithstanding section 19.02.090.

D. Apiary;

~~D~~E. Home business, subject to Chapter 19.85;

~~E~~F. Home day care/preschool for six or fewer children subject to the conditions set forth in Section 19.04.293;

~~F~~G. Residential facility for persons with a disability;

~~G~~H. Single-family dwelling;

~~H~~I. Wireless telecommunication facilities, provided:

1. The wireless telecommunication facility is a wall-mounted or roof-mounted facility, and
2. The facility is mounted on a nonresidential building, and
3. A computer-generated visual simulation of the proposed structure is submitted as part of the required site plan, and
4. All other applicable requirements set forth in Chapter 19.83, "Wireless Telecommunications Facilities," are satisfied.

SECTION V. This ordinance shall become effective fifteen (15) days after its passage and upon at least one publication of the ordinance or a summary thereof in a newspaper published and having general circulation in Salt Lake County.

APPROVED AND ADOPTED this _____ day of _____, ~~2022~~2023.

SALT LAKE COUNTY COUNCIL

By: _____
Chair

ATTEST:

~~Sherrie Swensen~~Lannie Chapman
Salt Lake County Clerk

APPROVED AS TO FORM:

ORDINANCE HISTORY

| | |
|--|-------|
| Councilmember Bradley voting | _____ |
| Councilmember Bradshaw voting | _____ |
| Councilmember Theodore voting | _____ |
| Councilmember DeBry <u>Harrison</u> voting | _____ |
| Councilmember Granato voting | _____ |
| Councilmember Winder Newton voting | _____ |
| Councilmember Alvord voting | _____ |
| Councilmember Snelgrove <u>Stewart</u> voting | _____ |
| Councilmember Stringham voting | _____ |

Vetoed and dated this _____ day of _____, ~~2022~~2023.

By: _____
MAYOR JENNIFER WILSON
OR DESIGNEE

(Complete as Applicable)

Veto override: Yes____ No____ Date_____

Ordinance Published in Newspaper: Date_____

Effective Date of Ordinance:_____

SUMMARY OF

SALT LAKE COUNTY ORDINANCE NO. _____

On the _____ day of _____, ~~2022~~2023, the County Council of Salt Lake County adopted Ordinance No. _____, an ordinance of general revision, amending the following sections of the Salt Lake County Code of Ordinances, 2001: 19.12.020 (permitted uses in the FR zone), 19.12.030(g)(conditional uses in the FR zone), and 19.54.020 (permitted uses in the FA zone) to have distinct regulations in the FR and FA zones with regards to animal uses and their associated impacts on adjoining properties, the environment, and the well-being of animals; and making other related changes.

SALT LAKE COUNTY COUNCIL

By: _____
Chair

ATTEST:

~~Sherrie Swensen~~Lannie Chapman
Salt Lake County Clerk

APPROVED AS TO FORM:

| | | |
|-------|---|-------|
| _____ | Councilmember Bradley voting | _____ |
| _____ | Councilmember Bradshaw voting | _____ |
| _____ | Councilmember Theodore voting | _____ |
| _____ | Councilmember DeBry Harrison voting | _____ |
| _____ | Councilmember Granato voting | _____ |
| _____ | Councilmember Newton voting | _____ |
| _____ | Councilmember Alvord voting | _____ |
| _____ | Councilmember Snelgrove Stewart voting | _____ |
| _____ | Councilmember Stringham voting | _____ |

A complete copy of Ordinance No. _____ is available in the office of the Salt Lake County Clerk, 2001 South State Street, N2-100A, Salt Lake City, Utah.