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Salt and Nutrients: Literature Review for Animal Drinking Water

24 June 2012

Prepared for
San Joaquin Valley Drainage Authority
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K/J Project No. 000000

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Executive Summary

Section 1: Regional Water Quality Basin Plans

Show the water quality criteria of AGR of the nine basin plans

Section 2: California and Extension Water Quality Criteria

2.1 California Department of Food and Agriculture

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2.2 California Environmental Protection Agency

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Section 3: Federal and State Agency Water Quality Criteria

3.1 Federal

Region 9 <http://www.epa.gov/region9/water/waterquality/index.html>

US Environmental Protection Agency. 1976. *Quality Criteria for Water*. (Red Book).

National Research Council. Nutrient Requirements of Dairy Cattle. Seventh Edition. 2001

3.2 States

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http://deq.state.wy.us/wqd/wqd_home/announcements/final%20draft_1.pdf

Nebraska Department of Environmental Quality. *Title 118-Groundwater Quality Standards and Use Classification*. 2008. <http://www.deq.state.ne.us/>

http://www.tceq.texas.gov/assets/public/permitting/waterquality/standards/docs/TSWQS2010/TSWQS2010_rule.pdf

Section 4: International Water Quality Criteria

4.1 International

4.1.1 FAO

Water Quality for Livestock and Poultry – United Nations Food and Agriculture Organization

4.1.2 Canada

Manitoba Agriculture, Food and Rural Initiatives

<http://www.gov.mb.ca/agriculture/livestock/nutrition/bza01s06.html>

Canada Plan Service. Water Requirements for Poultry.5603
<http://www.cps.gov.on.ca/english/plans/E5000/5603/5603L.pdf>. 2001.

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4.1.3 Australia

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Markwick, G. Water Requirements for Sheep and Cattle. Primefact 326. January 2007.

4.1.4 South Africa

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Section 5: Academic Literature Review

The academic contribution will review the maximum exposure levels to salts and nutrients in relation to livestock health within the academic literature. This represents the majority of the literature review.

Section 6: Water Quality Recommendations

References Used

References Considered

Appendix A: Appendix Heading 1

Appendix B: Second Appendix
