

**COMMISSIONERS' MINUTES
KITITAS COUNTY, WASHINGTON
COMMISSIONERS AUDITORIUM
SPECIAL MEETING**

MONDAY

2:00 P.M.

MAY 2, 2016

Board members present: Chairman Obie O'Brien; Vice Chairman Paul Jewell and Commissioner Laura Osiadacz.

Others: Mandy Buchholz, Deputy Clerk of the Board; Robin Read, Public Health Administrator; Holly Myers, Environmental Health Supervisor; Mark Larson, Public Health Officer; Clinton Van De Venter, HHW Supervisor; James Rivard, Waste 2 Resources Program; Peter Severtson, Regional Biosolids Coordinator.

SPECIAL MEETING BIOSOLIDS LAND APPLICATION PRESENTATION BOCC

At 2:09 p.m. Chairman O'Brien opened a Special Meeting to receive a presentation from Department of Ecology (DOE), regarding biosolids in Washington State: Land Application.

Peter Severtson, Regional biosolids Coordinator questioned what areas the Board was specifically looking for information. He apologized that he didn't call prior to the meeting so that he could be sure to have all the answers pertaining to the questions they would have included in the Power Point. Mr. Severtson's presentation outlined what biosolids are, how they are regulated and what their use in agriculture is. He stated there are a lot of misconceptions about what biosolids. He stated that what they are is the solids removed from wastewater plants that are dewatered and tested for pollutants and pathogens. He explained that the mechanism for treating sewage is biological - using managed aquatic bacterial populations and that the bacteria consumes the solids in raw sewage as a food source, (aerobic digestion w/water; anaerobic digestion w/o oxygen). He stated that once those steps are complete (consuming and digesting the solids), the bacterial biomass is settled out of the wastewater. He reviewed picture slides of typical biosolids storage site, belt filter press, bristleworm & waterbear as well as rotifers and an aeration basin & clarifier. Mr. Severtson reviewed the biosolids regulation in Washington (WAC 173-308). Mr. Severtson reviewed the basic elements of Washington's biosolids Rule WAC-173-308. He stated that the Department of Ecology may issue a single Statewide General Permit for biosolids Management. He explained that Producers and those who land apply biosolids are issued permit coverage under

the General Permit and requires screening of all material to 3/8" or less. He explained that producers are required to sample their biosolids and send those samples to an accredited lab, noting there is a minimum sampling frequency with requirements that are based on the volume generated and how the biosolids are produced and stored. He stated that a sampling and analysis plan is required of all treatment plants and they are required to sample for pollutants, pathogens, and nutrients using appropriate protocols. He explained that there are two types of land application plans (General and Site Specific). He stated that the General Plans set forth site selection criteria and Site Specific plans describe how land application takes place. He reviewed the basic elements of the soil sampling plan and collection requirements & background sample for metals, and in the pre-application they sample for nutrients & post-harvest sampling when required. He outlined the determining application rates: soil types, soil nitrogen levels, crop type, crop yields, biosolids type, biosolids nitrogen content and reference extension bulletins & scientific publications and or experience. He reviewed a slide outlining the total metals vs. toxicity characteristic leaching procedure (TCLP) and concentration of pollutants in biosolids and soil

The Board asked Staff questions and requested clarification of some of the biosolids processing & regulations.

The meeting was adjourned at 3:43 p.m.

DEPUTY CLERK OF THE BOARD


Mandy Buchholz

**KITTITAS COUNTY COMMISSIONERS
KITTITAS COUNTY, WASHINGTON**


Obie O'Brien, Chairman