

Table 5. CONCENTRATIONS OF DIOXIN AND PCBs IN HTP AND TIWRP BIOSOLIDS

Sampling Date	Dioxin 2,3,7,8-TCDD (ppb ng/g wet wt.)	PCBs**							Total PCBs*** ppm (mg/kg wet wt.)
		AR 1016	AR 1221	AR 1232	AR 1242	AR 1248	AR 1254	AR 1260	

HTP BIOSOLIDS									
Dec-10	NA	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Nov-10	<0.8400 *	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Oct-10	<0.0010 ^^	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Sep-10	<0.3100 *	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Aug-10	<2.5000 *	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Jul-10	<0.0010 ^^	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Jun-10	<2.5000 *	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
May-10	<2.4000 *	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Apr-10	<0.0009 ^^	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Mar-10	<0.1200 *	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Feb-10	<0.0520 *	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Jan-10	0.01000 ^^	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND

TIWRP BIOSOLIDS / DIGESTED SLUDGE @, \$									
Dec-10	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nov-10	<0.0890	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Oct-10	<0.0005 ^^	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Sep-10	<0.0240	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Aug-10	NS	NS	NS	NS	NS	NS	NS	NS	NS
Jul-10	0.000001 ^^	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Jun-10	NS	NS	NS	NS	NS	NS	NS	NS	NS
May-10	<2.4000 *	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Apr-10	0.000531 ^^	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Mar-10	<0.0890 *	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND
Feb-10	NS	NS	NS	NS	NS	NS	NS	NS	NS
Jan-10	0.000498 ^^	<0.007	<0.040	<0.012	<0.003	<0.026	<0.026	<0.011	ND

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WISARD - Biosolids Management - HTP TIWRP Biosolids

- * Low Resolution analysis.
- ^^ High resolution 2,3,7,8-TCDD TEQ analysis.
- ** Polychlorinated biphenyls
- *** Sum of AR 1016, AR 1221, AR 1232, AR 1242, AR 1248, AR 1254, AR 1260
- NA - Data not yet available.
- ND Not Detected
- NS No Sampling Required
- @ Sampling frequency for TIWRP is 6 months/year. The sampling months are: Jan, Mar, May, Jul, Sep and Nov.
- # TIWRP changed from analyzing Biosolids to analyzing Digested Sludge in July 2010

Note: California Title 22 lists 10 ppb for Dioxin and 50 ppm for PCBs as the Total Threshold Limit Concentration (TTL) for hazardous waste