

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	

HTP BIOSOLIDS									
Dec-14	<0.50000 *	<0.01700	<0.03000	<0.02100	<0.02400	<0.03800	<0.02600	<0.00130	ND
Nov-14	<0.50000 *	<0.01700	<0.03000	<0.02100	<0.02400	<0.03800	<0.02600	<0.00130	ND
Oct-14	<0.00100 ^^	<0.01700	<0.03000	<0.02100	<0.02400	<0.03800	<0.02600	<0.00130	ND
Sep-14	<0.50000 *	<0.02000	<0.03000	<0.02000	<0.02000	<0.04000	<0.02000	<0.00400	ND
Aug-14	<0.50000 *	<0.02000	<0.03000	<0.02000	<0.02000	<0.04000	<0.02000	<0.00400	ND
Jul-14	<0.00100 ^^	<0.02000	<0.03000	<0.02000	<0.02000	<0.04000	<0.02000	<0.00400	ND
Jun-14	<0.50000 *	<0.00300	<0.01100	<0.00630	<0.00320	<0.00670	<0.00640	<0.00440	ND
May-14	<0.50000 *	<0.00300	<0.01100	<0.00630	<0.00320	<0.00670	<0.00640	<0.00440	ND
Apr-14	<0.00100 ^^	<0.00300	<0.01100	<0.00630	<0.00320	<0.00670	<0.00640	<0.00440	ND
Mar-14	<0.50000 *	<0.00126	<0.02100	<0.01600	<0.00987	<0.00787	<0.00741	<0.00349	ND
Feb-14	<0.50000 *	<0.00300	<0.01100	<0.00630	<0.00320	<0.00670	<0.00640	<0.00440	ND
Jan-14	<0.00100 ^^	<0.00300	<0.01100	<0.00630	<0.00320	<0.00670	<0.00640	<0.00440	ND

TIWRP BIOSOLIDS / DIGESTED SLUDGE @, #									
Dec-14	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nov-14	<0.50000 *	<0.01700	<0.03000	<0.02100	<0.02400	<0.03800	<0.02600	<0.00130	ND
Oct-14	<0.00100 ^^	<0.01700	<0.03000	<0.02100	<0.02400	<0.03800	<0.02600	<0.00130	ND
Sep-14	<0.50000 *	<0.02000	<0.03000	<0.02000	<0.02000	<0.04000	<0.02000	<0.00400	ND
Aug-14	NS	NS	NS	NS	NS	NS	NS	NS	NS
Jul-14	<0.00100 ^^	<0.02000	<0.03000	<0.02000	<0.02000	<0.04000	<0.02000	<0.00400	ND
Jun-14	NS	NS	NS	NS	NS	NS	NS	NS	NS
May-14	<0.50000 *	<0.00300	<0.01100	<0.00630	<0.00320	<0.00670	<0.00640	<0.00440	ND
Apr-14	<0.00100 ^^	<0.00300	<0.01100	<0.00630	<0.00320	<0.00670	<0.00640	<0.00440	ND
Mar-14	<0.50000 *	<0.00126	<0.02100	<0.01600	<0.00987	<0.00787	<0.00741	<0.00349	ND
Feb-14	NS	NS	NS	NS	NS	NS	NS	NS	NS
Jan-14	<0.00100 ^^	<0.00300	<0.01100	<0.00630	<0.00320	<0.00670	<0.00640	<0.00440	ND

Generated by JVHOANG at 01/13/2015 09:27:26 AM using the Production Database and WISARD V2.0
WISARD - Biosolids Management - HTP TITP Biosolids

* Low Resolution 2,3,7,8-TCDD analysis by method EPA 8280A.

^^ High resolution 2,3,7,8-TCDD analysis by method EPA 1613B.

** Polychlorinated biphenyls (Arochlors)

*** Sum of AR 1016, AR 1221, AR 1232, AR 1242, AR 1248, AR 1254, AR 1260

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 (TTLIC) for hazardous waste