ENVIRONMENTAL ENTERPRISES USA, INC.

March 28, 2007

Sludge Solutions International, LLC Sewper Rx (granular host) Y060206C:
7-Day Static-Renewal *C. dubia* & *P. promelas* Definitive Toxicity Results

Bioprocessing LLC
5041 Taravella Rd.
Marrero, LA 70072

Attention: Boyd Young

Dear Mr. Young:

A pair of 7-day chronic *C. dubia* and *P. promelas* definitive tests (EPA-821-R-02-013) was initiated March 12, 2007 (Appendix A). The sample used in this test was supplied by **Bioprocessing LLC** on behalf of their client **Sludge Solutions International, LLC** and delivered to **Environmental Enterprises USA, Inc. (EE USA)** on March 8, 2007 (Appendix D). Daily, a solution of **Sewper Rx (granular host)** was prepared at 29.96 mg/L, the recommended application rate (4oz per 1000 gallons water), and mixed for one hour on a stir plate.

The *C. dubia* test included ten replicates each of **Sewper Rx (granular host)** at 29.96 mg/L and a concurrent laboratory performance control (LPC). The *P. promelas* test included five replicates each of **Sewper Rx (granular host)** at 29.96 mg/L and a concurrent LPC. Moderately Hard Synthetic Freshwater was used as the diluent and LPC. *C. dubia* were fed 0.1ml *Selenastrum capricornutum* and 0.1ml of Yeast-Cerophyl-digested Trout Chow daily and *P. promelas* test organisms were fed *Artemia* nauplii less than 24-hours old twice daily.

EE #: E-132-07	Statistically Significant Difference between LPC and ***Sewper Rx (granular host)*** at 29.96 mg/L		
	Survival	Reproduction	Growth
C. dubia	No	No	N/A
P. promelas	No	N/A	No

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OFFICE: 504-646-2787 – FAX: 504-646-2810 – 1-800-966-2788

The response used in statistical analysis of survival data was the proportion of surviving test organisms per replicate. The response used in reproduction data analysis (*C. dubia*) was the total number of neonates produced per replicate. The response used in growth data analysis (*P. promelas*) was the average individual dry weight for each replicate: replicate weight divided by the number of original larvae. The Homoscedastic t Test was used to determine if there were statistically significant differences in the endpoints of interest, survival and reproduction for *C. dubia* or survival and growth for *P. promelas*, between the LPC and 29.96 mg/L **Sewper Rx (granular host).** In these tests, survival and reproduction of *C. dubia* and survival and growth of *P. promelas* were not significantly reduced after exposure to 29.96 mg/L **Sewper Rx (granular host).** The results for the laboratory perfomance control and **Sewper Rx (granular host)** were very similar. Copies of the raw data are presented in Appendix A. Survival, reproduction and growth data analysis and summary statistics for the *C. dubia and P. promelas* tests are presented in Appendix B & C, respectively.

Mr. Young, thank you for choosing **EE USA** to complete this work for **Bioprocessing LLC.** I appreciate the opportunity and look forward to working with you again. Please call me if you have any questions or comments.

Sincerely,

David L. Daniel
Laboratory Director

3/28/07
Mark A. O'Neil
QA/QC Supervisor

encl: Appendixes A – D

Environmental Enterprises USA, Inc.

APPENDIX A

Environmental Enterprises USA, Inc.

Bioprocessing LLC

Boyd Yound

Test Concentrations, mg/l Product (PR)

Ceriodaphnia dubia	*Pimephales promelas*	Total Volume/ Concentration, ml	Color Code	ml SSOL	ml DH_2O
29.96 mg/l		1500.00	Black	1500.00	0.00
0.0 mg/l LPC		"	White	0.00	1500.00
Total Volume (ml) of EFF needed per day=					1500.0
Total Volume (ml) of EFF needed for test duration=					10500.0

PR Stock Solution prepared daily: 4oz/1000 gallons = 44.94 mg SewperRx/1500 ml DH_2O

Data Pages & Calculations by: [signature] QA/QC Check by: Sharon Graves

C. dubia = 10 Reps x 15 ml = 150 ml

P. promelas = 4 Reps x 250 ml = 1000 ml

DH_2O = Dilution Water = **Moderately Hard Synthetic Freshwater**

	LPC	M #	LPC	M #	LPC	M #
Date	03/12		03/14		03/16	
Alkalinity	76	–	76	–	68	–
Conductivity	273	MS	273	MS	292	MS
Hardness	100	–	100	–	110	–
pH	8.3	Q8	8.3	Q8	7.8	Q8
TRC	///	–	///	–	///	–
	VM		VM		VM	

LPC: Laboratory Performance Control, synthetic moderately hard water
Alkalinity: mg/l as $CaCO_3$ Conductivity: µS/cm Hardness: mg/l as $CaCO_3$
pH: SU TRC: mg/l M# : Meter number

Prep Date	03/12	03/13	03/14	03/15	03/16	03/17	03/18
Weight	44.94	44.97	44.96	44.97	44.94	44.94	44.94
Initial	VM	VM	VM	SG	SG	SG	SG

Comments:

E-132-07
NOEC/LOEC

Environmental Enterprises USA, Inc.

Cladoceran, *Ceriodaphnia dubia*
Survival and Reproduction Test
Method 1002

Bioprocessing LLC

Test Organisms Age: 7.0 - 9.0 Hours Old
Test Organisms Source: EE USA Test Initiation At: 1600 on 03/12/07
Counted by: Veronica McMillan QC/QA by: Sharon Graves
Loaded by: Veronica McMillan

C. dubia Daily Survival Data

Treatment: **Laboratory Performance Control (LPC), 0 mg/l**													**White**	
	REP	1	2	3	4	5	6	7	8	9	10	% Surv	No. of Neonates Per Day	Tech
	0	0	0	0	0	0	0	0	0	0	0	///	///	VV
D	1	0	0	0	0	0	0	0	0	0	0	100	0	SG
A	2	0	0	0	0	0	0	0	0	0	0	100	0	ME
Y	3	0	5	0	3	0	6	0	0	0	0	100	ME03507 14	ME
	4	7	0	4	0	7	0	8	7	7	6	100	46	TK
	5	12	13	12	16	16	13	12	9	11	0	100	114	SG
	6	7	17	15	20	22	20	19	17	17	18	100	172	SG
	7													
	3rd Brood Reproduction Per Replicate											Mean	CV %	///////
		26	35	31	39	45	39	39	33	35	24	34.6		

Comments:

Environmental Enterprises USA, Inc.

C. dubia Daily Survival Data Cont.

Treatment: **29.96 mg/l**													**Black**		
	REP	11	12	13	14	15	16	17	18	19	20	% Surv	No. of Neonates Per Day	Tech	Time
	0	0	0	0	0	0	0	0	0	0	0	///	///	VL	1600
D	1	0	0	0	0	0	0	0	0	0	0	100	0	SG	1600
A	2	0	0	0	0	0	0	0	0	0	0	100	0	ME	1354
Y	3	0	0	0	0	3	7	0	0	0	0	100	10	ME	1546
	4	7	7	7	7	6	07	8	7	5	100	61	TK	1328
	5	12	15	16	15	15	17	14	15	14	16	100	149	SG	1205
	6	16	18	19	19	16	19	17	0	10	16	100	150	SG	1145
	7														
	3rd Brood Reproduction Per Replicate											Mean	CV %	///////	
		35	40	42	41	24	43	38	23	31	37	35.4			

03-18-07
SG

Calculations by: Veronica McNew QA/QC by: [signature]

Data Entry by: Veronica McNew

Double Data Entry by: Veronica McNew or

QA/QC Officer: N/A

E-132-07
NOEC/LOEC

Environmental Enterprises USA, Inc.

C. dubia Water Quality Data
LPC & All Treatments: Initial & Final Temp. – 23.5 – 26.4°C; Initial & Final DO – 4.0>8.3 mg/l

Day 0	Treatment mg/l PR						
03/12/07	LPC	29.96 mg/l					Meter #
DO I	8.3	8.3					57
F	7.8	7.5					57
Temp I	24.7	25.0					Q8
F	25.3	25.1					Q8
pH F	8.4	8.4					Q8
Initials	Initials: SG				Finals: SLEME		
Times	Initial Time: 1550				Final Time: 0857		

Day 1	Treatment mg/l PR						
03/13/07	LPC	29.96 mg/l					Meter #
DO I	~~8.0~~ 8.3 x	~~8.2~~ 8.3 x					57
F	7.8	7.9					57
Temp I	~~25.1~~ 24.7 x	~~25.8~~ 25.0 x					M5
F	25.3	25.4					Q8
pH F	8.4	8.4					Q8
Initials	Initials: ~~AAEVMSG~~				Finals: CMPTK		
Times	Initial Time: 1550				Final Time: 0908		

XME 031407

Day 2	Treatment mg/l PR						
03/14/07	LPC	29.96 mg/l					Meter #
DO I	8.0	8.2					
F	7.9	7.9					
Temp I	25.1	25.0					
F	26.2	26.2					
pH F	8.2	8.2					
Initials	Initials: ME				Finals: ⊛		
Times	Initial Time: 1338				Final Time: ⊛		

⊛ Data not recorded 03/20/07 VL

Environmental Enterprises USA, Inc.

C. dubia Water Quality Data Cont.

Day 3	Treatment mg/l PR						
03/15/07	LPC	29.96 mg/l					Meter #
DO I	7.9	8.0					57
F	8.3	8.3					57
Temp I	25.4	23.5					MS
F	24.4	24.3					MS
pH F	8.2	8.3					QB
Initials	Initials: MW				Finals: SG MW		
Times	Initial Time: 1450				Final Time: 0715		

Day 4	Treatment mg/l PR						
03/16/07	LPC	29.96 mg/l					Meter #
DO I	8.3	8.1					57
F	8.3	8.3					57
Temp I	24.9	25.6					MS
F	25.3	25.3					QB
pH F	8.0	8.0					QB
Initials	Initials: MW				Finals: SG		
Times	Initial Time: 1047				Final Time: 1205		

Day 5	Treatment mg/l PR						
03/17/07	LPC	29.96 mg/l					Meter #
DO I	8.3	8.1					57
F	8.3	8.3					57
Temp I	25.3	23.5					MS
F	23.5	23.8					QB
pH F	8.0	8.0					QB
Initials	Initials: SG				Finals: SG		
Times	Initial Time: 1128				Final Time: 1150		

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C. dubia Water Quality Data Cont.

Day 6		Treatment mg/l PR						
03/18/07		LPC	29.96 mg/l					Meter #
DO	I	8.3	8.3					57
	F							
Temp	I	23.6	23.6					MS
	F							
pH	F							
Initials		Initials: SC				Finals:		
Times		Initial Time: 1035				Final Time:	N/A	

LPC: Laboratory Performance Control, synthetic moderately hard water
Alkalinity: mg/l as $CaCO_3$ Conductivity: µS/cm Hardness: mg/l as $CaCO_3$
pH: SU TRC: mg/l

Comments:_____

_____

_____

_____

_____

Environmental Enterprises USA, Inc.

Fathead Minnow, *Pimephales promelas*
Larval Survival and Growth Test
Method 1000

Bioprocessing LLC

Test Organisms Age: ~24 Hours Old Test Organisms Source: EE USA
Test Initiation At: 1553 on 03/12 /07
Counted by: [illegible] QC/QA by: Veronica McMillan
Loaded by: Veronica McMillan

***P. promelas* Daily Survival Data**

Treatment: **Laboratory Performance Control (LPC), 0 mg/l**								**White**
Rep.	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	10	10	10	10	10	10	10	10
2	10	10	10	10	10	10	10	10
3	10	10	10	10	10	10	10	10
4	10	10	10	10	10	9	9	9
5	10	10	10	10	10	10	10	10
Initials	VM	MM	ME	ME	NV	JH	SG	JH

Treatment: **29.96 mg/l PR**								**Black**
Rep.	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
6	10	9	9	9	9	9	8	8
7	10	*~~9~~10	10	9	9	9	9	9
8	10	10	10	10	10	10	10	10
9	10	10	10	~~9~~10	10	10	10	10
10	10	10	10	9	9	9	9	9
Initials	VM	MM	ME	ME	NV	JH	SG	JH
Time	1553	1600	1345	1537	1415	1223	1035	0953

* MM 031307

Test Completed on: 03/19/07

@ 03/20/07 VM

Comments:

E-132-07
NOEC/LOEC

Environmental Enterprises USA, Inc.

***P. promelas* Water Quality Data**
LPC & All Treatments: Initial Temp. – 23.5 – 26.4°C; Initial DO – 4.0>8.3 mg/l

Day 0	Treatment mg/l PR						
03/12/07	LPC	29.96 mg/l					Meter #
DO I	8.3	8.3					S7
F	7.7	7.0					S7
Temp I	24.7	25.0					M5
F	25.4	25.4					Q8
pH F	8.1	7.9					Q8
Initials	Initials: SG				Finals: CMPTK		
Times	Initial Time: 1550				Final Time: 0915		

Day 1	Treatment mg/l PR						
03/13/07	LPC	29.96 mg/l					Meter #
DO I	8.3	8.3					S7
F	10.8	10.4					S7
Temp I	24.7	25.0					Q8
F	25.6	25.6					Q8
pH F	8.0	7.9					Q8
Initials	Initials: LMSG				Finals: SCOME		
Times	Initial Time: 1542				Final Time: 0856		

Day 2	Treatment mg/l PR						
03/14/07	LPC	29.96 mg/l					Meter #
DO I	8.0	8.2					S7
F	7.7	7.5					S7
Temp I	25.1	25.8					M5
F	25.3	25.4					Q8
pH F	8.3	8.2					Q8
Initials	Initials: ME				Finals: CMATK		
Times	Initial Time: 1338				Final Time: 0907		

E-132-07
NOEC/LOEC

Environmental Enterprises USA, Inc.

***P. promelas* Water Quality Data Cont.**

Day 3	Treatment mg/l PR						
03/15/07	LPC	29.96 mg/l					Meter #
DO I	7.9	8.0					57
F	7.5	7.5					57
Temp I	25.4	23.5					MS
F	24.0	23.9					MS
pH F	8.0	7.9					QB
Initials	Initials: MV				Finals: SG MV		
Times	Initial Time: 1450				Final Time: 0715		

Day 4	Treatment mg/l PR						
03/16/07	LPC	29.96 mg/l					Meter #
DO I	8.3	8.1					
F	~~7.6~~	~~7.9~~					~~57~~
Temp I	24.9	25.6					
F	~~23.4~~	~~23.4~~					QS
pH F	~~8.2~~	~~8.0~~					Q8
Initials	Initials: ~~SLP~~ NV				Finals: ⊗		
Times	Initial Time: 1047				Final Time: ⊗		

×3118 0736

Day 5	Treatment mg/l PR						
03/17/07	LPC	29.96 mg/l					Meter #
DO I	8.3	8.1					57
F	7.4	6.9					57
Temp I	23.3	23.5					MS
F	23.6	23.6					Q8
pH F	8.2	8.0					Q8
Initials	Initials: SG				Finals: SG		
Times	Initial Time: 1128				Final Time: ~~0980~~ 0736 3/18/07 SG		

⊗ Final water quality not recorded. 03/20/07 MV

Environmental Enterprises USA, Inc.

***P. promelas* Water Quality Data Cont.**

Day 6	Treatment mg/l PR						
03/18/07	LPC	29.96 mg/l					Meter #
DO I	8.3	8.3					S7
F	6.4	6.7					S7
Temp I	23.6	23.6					M5
F	24.6	24.6					Q8
pH F	7.6	7.5					Q8
Initials	Initials: SG				Finals: CMPTK		
Times	Initial Time: 1035				Final Time: 0938		

LPC: Laboratory Performance Control, synthetic moderately hard water
Alkalinity: mg/l as $CaCO_3$ Conductivity: µS/cm Hardness: mg/l as $CaCO_3$
pH: SU TRC: mg/l

Comments:_____

Environmental Enterprises USA, Inc.

7 Day *P. promelas* Growth Data

Pan #	Concentration and Replicate	A Final Weight (mg)	B Initial Weight (mg)	C No. of Orig. Larvae	D No. of Surv. Larvae
1	White	9.97	8.70	10	10
2	"	10.30	8.74	10	10
3	"	10.78	9.39	10	10
4	"	*11.8023	9.95	10	9
5		11.80	10.43	10	10
6	Black	10.38	9.19	10	8
7	"	9.52	8.03	10	9
8	"	9.89	8.31	10	10
9	"	9.72	8.10	10	10
10		10.36	8.95	10	9

*TK 3/20/07

Initial Foil Wts at 1125 on 3/17/2007(cmp) Scale#: R9

Oven Temp. 59 °C Therm. #: T113

Begin Drying Survivors at 0953 on 03/19/2007(JH) Oven #: OV3

Finish Drying Survivors at 0855 on 3/20/2007 (ME)

Final Foil Wts. at 1403 on 03/20/2007 (TK) Scale #: R9

Data Entry by: Veronica McMew

Double Data Entry: Veronica McMew or

QA/QC Officer: N/A

Environmental Enterprises USA, Inc.

Data Pages

- ☑ Company name & contact matches client file.
- ☑ PR matches client file.
- ☑ Critical dilution (CD) match client file; and dilution series are correct:

29.96%(CD)

Dilution series: (Region IV CD is second dilution, Region VI CD is 3rd dilution in series)

29.96,

- ☐ Calculations on mixing page are correct. (sign mixing page)
- ☑ Dates, dilutions, test method, # of replicates, replicate volume, outfall, acceptance limits, data analysis endpoint, and test organisms are correct throughout data pages.
- ☑ Format correct. (spaces for all entries, page numeration, no split pages, etc.)

SC Initials 03/12/07 Date

Chain-of-Custody

- ☑ PR on COC matches sample bottle.
- ☑ PR on COC matches test data pages.
- ☑ Lab # on COC matches sample bottle.
- ☑ Lab # on COC matches test data pages.
- N/A ☐ Sample collection date: ___/___/___ & Time: _____hrs.
  expiration date: ___/___/___ & Time: _____hrs. (Sample expired if >36 hrs)
- ☑ Sample volume is sufficient for test duration. (Sample volume in container(s) checked against sample volume on mixing page)

Sample volume available: ⊗ ml

Sample volume needed: 314.58 mg ml

(Sample volume insufficient if sample volume available < sample volume needed)

VM Initials 03/20/07 Date

Jugs & Labels

- ☐ Lab # on jug and labels matches test data pages.
- ☐ Dilution water type is on jug. (i.e. 25 ppt, 20 ppt, MHSF, etc.)
- ☐ Dilutions on jugs and labels match dilutions on test data pages.
- ☐ Jugs are color-coded. (see mixing page for appropriate color code sequence)

N/A Initials N/A Date

Raw Data QC/QA'd by: Veronica McClew 03/20/07

⊗ Not recorded 03/20/07 VC

E-132-07
NOEC/LOEC

Environmental Enterprises USA, Inc.

APPENDIX B

Ceriodaphnia Survival and Reproduction Test-7 Day Survival

Start Date:	3/12/2007	Test ID:	cd13207	Sample ID:	
End Date:	3/18/2007	Lab ID:	EE-Environmental Enterprise	Sample Type:	PRD-Product
Sample Date:	3/8/2007	Protocol:	EPAF 02-EPA Freshwater	Test Species:	CD-Ceriodaphnia dubia
Comments:					

Conc-mg/L	1	2	3	4	5	6	7	8	9	10
PC-LP Control	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
29.96	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

			Transform: Untransformed				
Conc-mg/L	Mean	CV%	Mean	Min	Max	CV%	N
PC-LP Control	1.0000	0.000	1.0000	1.0000	1.0000	0.000	10
29.96	1.0000	0.000	1.0000	1.0000	1.0000	0.000	10

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	1	0.868		
Equality of variance cannot be confirmed				

Ceriodaphnia Survival and Reproduction Test-Reproduction

Start Date:	3/12/2007	Test ID:	cd13207	Sample ID:	
End Date:	3/18/2007	Lab ID:	EE-Environmental Enterprise	Sample Type:	PRD-Product
Sample Date:	3/8/2007	Protocol:	EPAF 02-EPA Freshwater	Test Species:	CD-Ceriodaphnia dubia
Comments:					

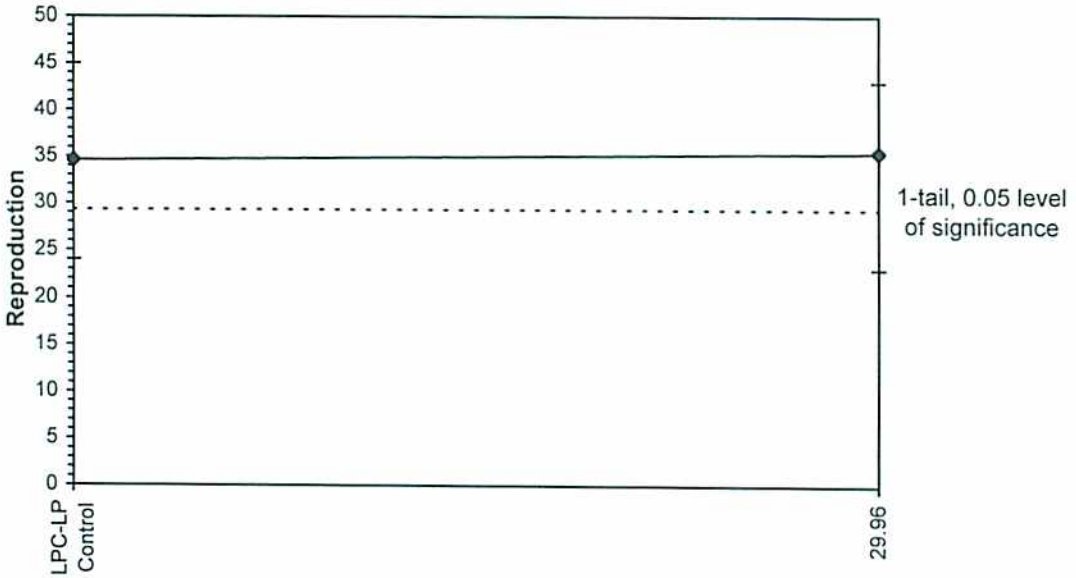
Conc-mg/L	1	2	3	4	5	6	7	8	9	10
PC-LP Control	26.000	35.000	31.000	39.000	45.000	39.000	39.000	33.000	35.000	24.000
29.96	35.000	40.000	42.000	41.000	24.000	43.000	38.000	23.000	31.000	37.000

			Transform: Untransformed					1-Tailed		
Conc-mg/L	Mean	CV%	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD
PC-LP Control	34.600	18.491	34.600	24.000	45.000	18.491	10			
29.96	35.400	20.335	35.400	23.000	43.000	20.335	10	-0.263	1.734	5.281

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.93314	0.868	-0.5923	-0.5936
F-Test indicates equal variances (p = 0.73)	1.26602	6.54109		

Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates no significant differences	5.28123	0.15264	3.2	46.3778	0.79578	1, 18

Dose-Response Plot



2 PVR 3/21/07

Reviewed by:

Environmental Enterprises USA, Inc.

APPENDIX C

Larval Fish Growth and Survival Test-7 Day Survival

Start Date:	3/12/2007	Test ID:	pp13207	Sample ID:	GMG290000-NPDES Permit #
End Date:	3/18/2007	Lab ID:	EE-Environmental Enterprise	Sample Type:	PRD-Product
Sample Date:	3/8/2007	Protocol:	EPAF 02-EPA Freshwater	Test Species:	PP-Pimephales promelas

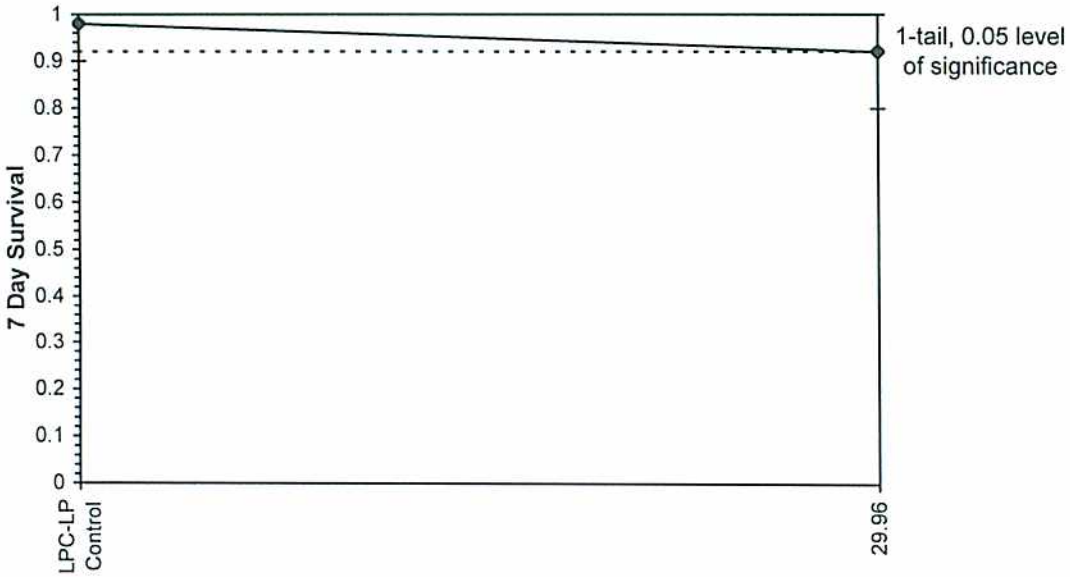
Comments:

Conc-mg/L	1	2	3	4	5
PC-LP Control	1.0000	1.0000	1.0000	0.9000	1.0000
29.96	0.8000	0.9000	1.0000	1.0000	0.9000

			Transform: Arcsin Square Root					1-Tailed		
Conc-mg/L	Mean	CV%	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD
PC-LP Control	0.9800	4.563	1.3794	1.2490	1.4120	5.284	5			
29.96	0.9200	9.094	1.2859	1.1071	1.4120	10.026	5	1.413	1.860	0.1232

Auxiliary Tests	Statistic		Critical		Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.91129		0.781		-0.5583	-0.15
F-Test indicates equal variances (p = 0.30)	3.1288		23.1545			
Hypothesis Test (1-tail, 0.05)	**MSDu**	**MSDp**	**MSB**	**MSE**	**F-Prob**	**df**
Homoscedastic t Test indicates no significant differences	0.05953	0.06177	0.02189	0.01097	0.19542	1, 8

Dose-Response Plot



ToxCalc v5.0.23

Reviewed by:

Larval Fish Growth and Survival Test-7 Day Growth

Start Date:	3/12/2007	Test ID:	pp13207	Sample ID:	
End Date:	3/18/2007	Lab ID:	EE-Environmental Enterprise	Sample Type:	PRD-Product
Sample Date:	3/8/2007	Protocol:	EPAF 02-EPA Freshwater	Test Species:	PP-Pimephales promelas

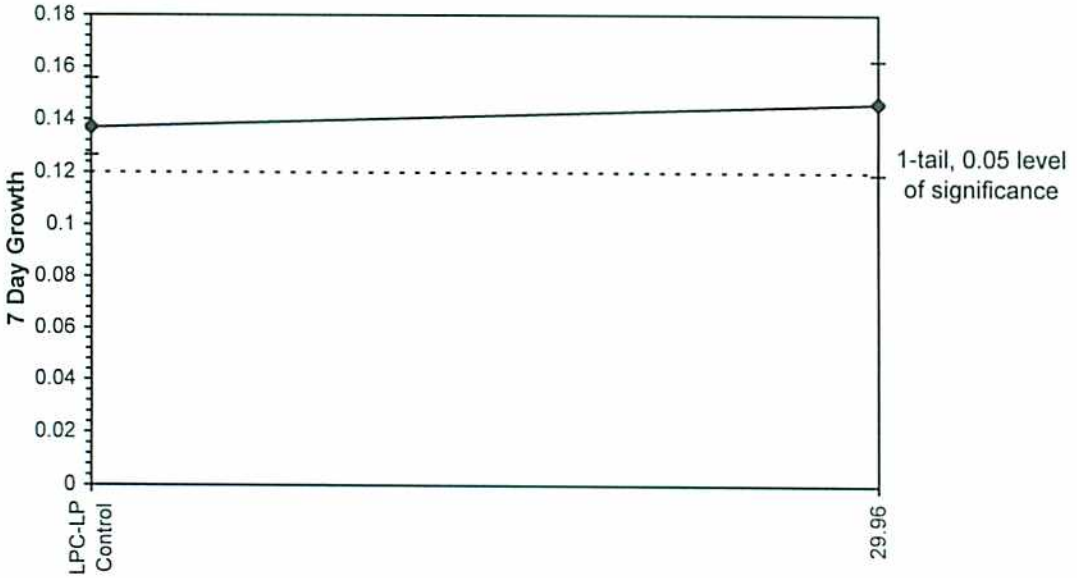
Comments:

Conc-mg/L	1	2	3	4	5
PC-LP Control	0.1270	0.1560	0.1390	0.1280	0.1370
29.96	0.1190	0.1490	0.1580	0.1620	0.1410

			Transform: Untransformed					1-Tailed		
Conc-mg/L	Mean	CV%	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD
PC-LP Control	0.1374	8.497	0.1374	0.1270	0.1560	8.497	5			
29.96	0.1458	11.694	0.1458	0.1190	0.1620	11.694	5	-0.909	1.860	0.0172

Auxiliary Tests	Statistic		Critical		Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.95999		0.781		-0.4662	0.18591
F-Test indicates equal variances (p = 0.48)	2.1328		23.1545			
Hypothesis Test (1-tail, 0.05)	**MSDu**	**MSDp**	**MSB**	**MSE**	**F-Prob**	**df**
Homoscedastic t Test indicates no significant differences	0.01718	0.12507	0.00018	0.00021	0.38993	1, 8

Dose-Response Plot



3/21/07

ToxCalc v5.0.23

Reviewed by:

Larval Fish Growth and Survival Test-7 Day Growth

Start Date:	3/12/2007	Test ID:	pp13207cv	Sample ID:	
End Date:	3/18/2007	Lab ID:	EE-Environmental Enterprise	Sample Type:	PRD-Product
Sample Date:	3/8/2007	Protocol:	EPAF 02-EPA Freshwater	Test Species:	PP-Pimephales promelas
Comments:	%CV of growth based on surviving test organisms				

Conc-mg/L	1	2	3	4	5
PC-LP Control	0.1270	0.1560	0.1390	0.1422	0.1370
29.96	0.1488	0.1656	0.1580	0.1620	0.1567

			Transform: Untransformed				
Conc-mg/L	Mean	CV%	Mean	Min	Max	CV%	N
PC-LP Control	0.1402	7.475	0.1402	0.1270	0.1560	7.475	5
29.96	0.1582	4.001	0.1582	0.1488	0.1656	4.001	5

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.97257	0.781	0.29798	0.75169
F-Test indicates equal variances (p = 0.35)	2.74367	23.1545		

DVP 3/21/07

Reviewed by:

Environmental Enterprises USA, Inc.

APPENDIX D

P.O. # EE 4511

Client BIOPROCESSING, LLC
Contact Boyd Young
Address 5041 TARAVELLA ROAD
City, State, Zip MARRERO, LA 70072
Phone Number 504-392-4087
Fax Number
P.O. # VERBAL - Boyd Young

POSTED 3.26.07 LMB

Project/Site Name	Sampler's Name	Due Date
SLUDGE SOLUTIONS, LLC	L.B. YOUNG	NTAT

Matrix: P = Potable Water W = Water/Wastewater S = Soil Sl = Sludge O = Oil G = Glycol PC = Paint Chips Ot = Other (describe in remarks)

Preservatives: A = Cool, 4°C B = Cool, 4°C, Sulfuric Acid to pH <2 C = Cool, 4°C, Nitric Acid to pH <2 D = Other (describe in remarks) E = Cool, 4°C, Sodium Thiosulfate F = Cool, 4°C, HCl to pH <2

Sample Containers Used: BOD, TSS, CN - 950 ml Plastic Oil & Grease, Phenol - 1 L Glass w/TLC TOC - 4 oz. Glass COD - 250 ml Plastic Metals - 250 ml Plastic VOA - 40 ml Glass Vial w/TLS SVOA, Pesticides - 1250 ml Amber Glass w/TLC

[redacted]	Date	Time	Grab	Comp	Sample Location	Matrix	# of Containers	Testing Required & Preservative: EPA METHOD 1000	EPA METHOD 1002					
		N/A			Y060206C	OT	1	✓	✓					
					E-57529-07									
					Lab#: E-132-07									

Remarks: ~~pH~~ = OT = SEWPER Rx CORNMEAL Y060206C

NOTE: ONLY 1 Dilution; Ratio is FOUR (4) OUNCES CORNMEAL to 1,000 gal WATER
PLEASE CALL Boyd prior to starting Tests

Relinquished by (Signature)	Date/Time	Received By (Signature)
[signature]	03/08/07 0748	[signature]
Relinquished by (Signature)	Date/Time	Received By (Signature)
[signature]	3.8.07 11:20	[signature]
Relinquished by (Signature)	Date/Time	Received for Lab By (Signature)
Charles Byrne	3-8-07 11:30 AM	[signature]
	Samples on ice when received at lab? YES NO	
Relinquished by (Signature)	Date/Time	Received By (Signature)

Rev 05/23/00 Replaces Rev 06/29/99

E-MAILED 3-28-07 MJ