

California Regional Water Quality Control Board, Colorado River Basin
Prosecution Team Evidence
on the matter of
Administrative Civil Liability Complaint R7-2014-0041
Exhibit 27

Angel, Jose@Waterboards

From: Andy Horne <AndyHorne@co.imperial.ca.us>
Sent: Monday, February 10, 2014 3:55 PM
To: Angel, Jose@Waterboards
Subject: FW: Attached Image
Attachments: 4096_001.pdf

Jose:

Per your request, here is the cost breakdown provided by National. I would request that you not spread this around, based on the language at the top of the page, but I would appreciate any additional feedback you might have on the contents thereof. Thanks for taking the time to speak with me on this matter.

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From: noreply@co.imperial.ca.us [<mailto:noreply@co.imperial.ca.us>]
Sent: Monday, February 10, 2014 3:56 PM
To: Andy Horne
Subject: Attached Image



National Beef Brawley Wastewater Project Costs - NBP, City & RWQCB

updated Feb. 6, 2014

Description	Original National Beef Plan (March 2013)		City of Brawley - upgrades per new pretreatment ordinance and permit (April 2013)		Regional Water Quality Control Board upgrades required per Title 27 Regulations and CEQA (July/Aug. 2013)	
	date	cost	date	cost	date	cost
Geo Technical Ground Water Evaluation - Per Title 27 Regulation & CEQA Permitting process - required before any upgrade work can begin	ROWD submitted and updated - April 2011 - Dec. 2012				RWQCB mandate of July 2013	
1 Develop/Present Schedule & Site Layout						
2 Sample Acquisitions						\$ 98,000
3 Lab Analysis						
4 Evaluation Analysis/Reporting						
5 Regional Board Evaluation for Preliminary Permit						
6 Regional Board Final Decision/Permit Release						\$ 75,000
7 Final Evaluation of Report with follow-up actions/plan						
8 Design/Engineering for Pond Liners (based on Groundwater Evaluation Report)						\$ 75,000
9 Regulatory/CEQA Engineering						\$ 300,000
A - Geo Tech Sub Total						\$ 548,000
Anaerobic Pond 1 Replacement	NBP evaluated both cleaning existing anaerobic vs. constructing a new one.				Per Title 27 existing anaerobic pond will need to be cleaned & lined if reused	
1 BMPs to improve Grease and Solids removal at the DAF prior to discharge to Anaerobic	April '12 onward					
2 Pond 1 Replacement Selection - high rate digesters vs. conventional evaluation	April - June '13					
3 BioWin Dynamic Modeling of Anaerobic/Aerobic Systems		\$ 10,000				
4 Pond 1 Replacement Final Design/Engineering		\$ 125,000				
5 Pond 1 Replacement Permit Application to the Regional Board		TBD				
6 Land Acquisition for New Pond 1 (land cost at \$30K/acre too high, decide to build on NBP property on west side)	August '12	NA				
7 New Pond 1 Construction -		\$ 4,500,000				
8 New Pond 1 Anaerobic Commissioning						
note:Synthetic liner for a new anaerobic pond (pond 1) always in design plans and costing						
9 Dredge existing pond 1					Aug. '13	\$ 1,500,000
10 Existing Pond 1 - dry & line for closure or reuse - Required by CA Title 27 Regulations						\$ 900,000
B - New Anaerobic Sub Total		\$ 4,635,000				\$ 2,400,000
New primary Aerobic Treatment in Pond 3C - required to take pond 2 out of service for liner install and to provide divergent treatment for City permit.			City pretreatment permit requires divergent treatment capabilities		Title 27 dictates liners in treatment ponds	
1 Engineering/Design for Aeration Equipment in Pond 3C				\$ 115,000		
2 Installation of Pumps/Piping for Pond 3C Aerobic Temporary System				\$ 485,000		
3 Drain/Test Pond 3C for GeoTech Evaluation						\$ 250,000
4 Install Liner in Pond 3C						\$ 650,000
5 Install Aeration Equipment in Pond 3C				\$ 890,000		
6 Electrical for Aeration Equipment (600hp additional equipment)				\$ 350,000		
7 Leak Detection Piping and/or Monitoring Wells						\$ 75,000
8 Commission Pond 3C as Temporary Aerobic Lagoon						
C - New Aerobic in Pond 3c Sub Total				\$ 1,840,000		\$ 975,000
New Aerobic Treatment in Pond 2 - divergent treatment cell	Original plan was to improve aeration in existing pond 2 only				Title 27 dictates liners in treatment ponds	
1 Engineering/Design for New Pond 2		\$ 75,000				
2 Modify Pond 2 for increased Aerobic Volume		\$ 966,513				
3 Drain and remove equipment in Pond 2, dry and stabilize for liner install						\$ 250,000
4 Install Liner in Pond 2						\$ 650,000
5 Installation of Aerobic Equipment in Pond 2 (Remove Existing/Replace)						\$ 75,000
6 Leak Detection Piping and/or Monitoring Wells - pond 2 only						\$ 75,000
7 Commission of Pond 2						
8 Gener - Ox System - Highly Oxygenated Injection into Pond 2 (Trial System)		\$ 55,000				
C1 - New Pond 2 Sub Total		\$ 1,096,513				\$ 1,050,000
Clarifier	existing clarifier undersized per P.E.report					
1 Clarifier Design/Layout		\$ 913,125				
2 Installation of Clarifier Components		\$ 300,000				
3 Temporary Piping for RAS/WAS System		\$ 75,000				
4 Clarifier Commissioning						
D - Clarifier Sub Total		\$ 1,288,125				\$ -
total	NBP	\$ 7,019,638	City	\$ 1,840,000	RWQCB	\$ 4,973,000
			NBP + City	\$ 8,859,638	City + RWQCB	\$ 6,813,000
					NBP + City + RWQCB	\$ 13,832,638