



# IER Environmental Systems, Inc.

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September 1<sup>st</sup>, 2016

Attention: Brad Torres  
Nevada County Sanitation District No. 1, CA  
Wastewater Operations Manager  
950 Maidu Ave. | Nevada County Sanitation District No. 1, CA 95959  
P 530.265.7103 | C 530.205.7684

Dear Brad,

Thanks again for your consideration of the Gener-Ox sulfide oxidation technology offered through IER Environmental Systems. I have entered the pertinent data which was supplied for the planned Penn Valley, California – LS-21 wet well into our Gener-Ox modeling software and have prepared the following design for the projected new wet well conditions. The data indicates an excellent match for the Gener-Ox LS oxygenation process. The recommended treatment equipment scope of supply is shown as follows for the proposed system:

- (1) Gener-Ox MTS-375-20 Mass Transfer Saturators constructed of 304 SS. Units to be ASME pressure stamped for operation up to 150 psig. Unit is capable of processing flows up to 375 USGPM. Inlet & Outlet plumbing to be 4" NPT.
- (2) PSA Oxygen Units with oxygen purity alarm (120 VAC, 60 Hz, Single Phase), 60-gallon ASME cleaned receiver, and accessory kit. Each system delivers 31 SCFH (.81 Nm<sup>3</sup>/hr) of 90% minimum purity oxygen at a delivery pressure of 45 psig (kPa)
- (1) Xylem eSV Pump 5 Hp (208 VAC, 60 Hz, Single Phase) TE 360 2 Stage. Rated for 100 GPM @ 110" TDH (47.5 PSIG)
- (1) Oxygen flow control roto-meters (0-100 SCFM each).
- (1) DO Sensor assembly with controls (115 VAC, 60 Hz, Single Phase) (Probe to be inserted post confluence blend point of oxygenated Gener-Ox flow with raw sewage)
- (1) Dissolved oxygen flow cell w/cable and controls.
- (1) Hard copies of operation & maintenance manuals in addition to electronic copy.
- (5) Days on-site for system commissioning and startup.

(1) Skid for mounting equipment for Gener-Ox LS

(1) Shed to cover the system for elements.

Complete system pricing will be \$91,960.00 FOB, Delivered to Nevada County Sanitation District No. 1, CA. Price excludes installation, site preparation and possible State or County required permitting. Plumbing installation assistance and on-site supervision to be provided by IER qualified personnel and is included in the above proposed pricing.

IER Environmental Systems can offer a 90 day trial at a cost of \$8,500.00 per month, with a 65% pay back towards the purchase of the Gener-Ox LS system. Once the 90 day trial is done and all criteria is met for odor control system for Nevada, County Sanitation District No. 1, CA. will issue a purchase order for purchase. IER Environmental Systems would require a first and last month trial payment once a purchase order number is established for the trial.

Thanks again for your interest in the Gener-Ox oxygenation process. Please contact me with any questions which may arise after your review of this proposal document. We will be honored if given the opportunity to establish a working relationship with you and your firm in working closely together on this wastewater improvement project. Thank you again for the time.

Best Regards,

Dick Handley – CEO/General Manager  
IER Environmental Systems Division  
Inland Environmental Resources, Inc.

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