



Customer Testimonials

LightningMaster
Corporation

Black Mountain Disposal – Midland, TX

“After dealing with multiple lightning protection companies, Lightning Master is truly a step ahead of the competition. The tech is there. The service is there. The relationship is there. What more could you ask for?” – Jack Martin, West Texas Area Manager @ Black Mountain Disposal LP

“Lightning Master’s invoicing is detailed and easy to follow. We had used two other vendors prior to Lightning Master, and neither of them had the level of detail nor follow up that Lightning Master provided. Add in the various publications and reputation within the field, our property coverage underwriters were happy to hear that we had their system at all of our facilities.” -- Michael Chu, Chief Operating Officer @ Black Mountain Disposal LP

BORCO Terminal - Freeport Bahamas

“I work at the BORCO terminal in Freeport Bahamas. We have a couple dozen external floating roof tanks, and have installed the rim array/RGA system a dozen years ago. The system works. Our quantity of lightning strikes reduced significantly. About a year ago, we started construction on two new external floaters, and compared the rim array/RGA vs the dissipater/MAGs system. The dissipater/MAGs system was cheaper, easier to install, and Operations was ready for a change because the RGAs require a lot of inspection and maintenance, and the rim array system is not robust. On top of that, there are plenty of articles saying the dissipater works, is better than, is equal to the rim array system, depending on the article you read.

“We have had them installed on the two new tanks for about 6 months, and so far zero complaints. The customer using the tanks have not utilized the tanks significantly, so I can’t say much about the performance, maintenance, etc yet. I can tell you that this summer, we had a storm pass through and a tank (with rim/rga) south of the new tanks (with dissipater/MAG system) got struck and caught fire. In the same storm, minutes later, a stack north of the new tanks got struck as well. Not sure if this is coincidence, mother nature, and/or modern engineering. I only know that I am glad our new tanks weren’t struck with lightning. In summary, Lightning Master gave me a great price, world class service, and with minimal usage time, I have no complaints. My only regret is we choose to glue/bolt the MAGs to the top of the pontoons/top angle. I would recommend welding all connections if you can get a hot work permit on the tank.

Thanks

Nate Werner

BORCO Blue and Yellow Expansion

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Whiting Oil & Gas

Master Electrician Jimmy Anderson summed up their experience succinctly with his observation, "It is unbelievable how much better these things work with the static drains in the tanks. We now plan to retrofit all existing and to equip all new radar sensor equipped fiberglass tanks with ITSD's regardless of lightning and static considerations. That way, we'll only pay for one benefit, but enjoy two."

XTO Energy

The attached data sheet contains information of my analysis from June 2006 - August 2009. The data collected and static electricity measured is a set static and lightning chart from Central Oklahoma and was taken from XTO's incident reporting system. The total cost, for the most part, contains only equipment replacement costs. Most estimates did not include labor, lost product and down time. This is why I believe our actual costs were well over \$500,000 per incident.

We placed lightning protection using a formula that included Lightning Master Corp. air terminals and various equipment on 12 sites that had been struck multiple times and we also bonded and grounded most sites in the strike pattern area. On some of the sites where we had fiberglass tanks, we also installed the in-tank static drain dissipaters. Since 2009 after protecting the sites, none were struck again.

I also believe we went from 6 - 8 strikes per year to 1 or 2 strikes at most. The 1 or 2 per year are sites not yet fully protected with Lightning Master's solutions.

This is all the information I can supply. If someone would like to talk to me, feel free to give them my office number. I've fielded a lot of calls over the years regarding this topic.

Thanks for breakfast and have a good day.

Ronald "R.J." Goodman, CSP
XTO Energy
EHS and Operations Training Manager

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Clearwater Resources

I am writing this letter to recommend the services of Lightning Master Corporation. During the past year CWR has worked with LMC on multiple lightning protection projects for our saltwater disposal wells in the Eagle Ford Shale. We previously used one of LMC's competitors but switched services after one of our tank batteries was struck by lightning and burned down. LMC offers high quality services and I can say that we have been more than satisfied with their work and customer service.

Sincerely,

Chase Cator
Project Manager
830-515-7406

Boardwalk Pipeline Partners

For the past 5 years Lightning Protection has been one of the four pillars of our reliability initiative. Lightning Master has designed and installed their protective devices at more than 30 of our most critical assets. As a result we have seen our asset availability improve tremendously with expensive and resource consuming lightning damage outages almost nonexistent.

Thanks you,

Mike G.
(903) 235-4317

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