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| **Lightning Damage Prevention Checklist** |
| The impact of a large electrical discharge can damage buildings, equipment and operations, resulting in service outages. If your facility is located in an area that is prone to lightning storms, use of the following checklist may help you analyze your potential exposure and prepare for this peril. |
| **Consideration** | **Precautions** | **Y** | **N** | **N/A** |
| **Pre-Planning** | Has a potential lightning damage preparation plan been established? |   |   |   |
| Have critical structures, equipment, operations and other key functions been identified? |   |   |   |
| Are there redundancies to help assure continuity of operations? |   |   |   |
| **Building Preparedness** | Are buildings and critical systems engineered to handle lightning strikes and electrical surges? |   |   |   |
| Have existing buildings, remote field structures, water towers, SCADA systems, communication towers, well sites and other critical locations been provided with surge and lightning protection? |   |   |   |
| Does the existing lightning protection system meet NFPA 780 (2011 Edition) standards? |   |   |   |
| Is surge protection adequate? |   |   |   |
| **Power** | In the event of a power outage, are emergency generators and other equipment in place or readily available to keep key functions operating for extended periods? |   |   |   |
| **Computer Data** | Are computer files backed up and safely stored at a remote location? |   |   |   |
| How often are backups completed? |   |   |   |
| Is software backed up? |   |   |   |
| **Chemicals** | Are internal and external chemical tanks designed, secured, grounded and arranged in suitably protected containers? |   |   |   |
| If flammables are maintained in significant quantities, does the existing lightning protection system meet NFPA 780 (2011 Edition) standards? |   |   |   |
| **Response Plan** | Is an emergency response plan in place to deal with lightning storms? |   |   |   |
| When was the plan last updated? |   |   |   |
| **Emergency Contacts** | Is contact information for the fire department, ambulance, key suppliers and other emergency responders readily available? |   |   |   |