Indiana Department of Labor
Indiana Occupational Safety and Health Administration
402 West Washington Street
Room W195
Indianapolis, IN 46204-2751
Phone: 317/232-1979 Fax: 317/233-8509

certified mail # 7003 1010 0003 5732 0646 12-28-11 jto

Safety Order and Notification of Penalty

To:

Twigg Corporation,
and its successors
659 East York Street
Martinsville, IN 46151-2549

Inspection Site:

659 East York Street
Martinsville, IN 46151-2549

Inspection Number: 315051276

Inspection Date(s): 07/08/2011 - 12/09/2011

Issuance Date: 12/28/2011

The violation(s) described in this Safety Order and Notification of Penalty is (are) alleged to have occurred on or about the day(s) the inspection was made unless otherwise indicated within the description given below.

An inspection of your place of employment has revealed conditions which we believe do not comply with the provisions of the Indiana Occupational Safety and Health Act (Indiana Code Chapter 22-8-1.1) or the standards or rules adopted thereunder. Accordingly, enclosed please find safety order(s) and notification(s) of penalty describing such violation(s) with references to applicable standards, rules, or provisions of the statute and stating the amount of any penalty(ies).

Informal Conference - Please be advised that it may be possible to informally settle any potential dispute without initiating the more elaborate proceedings brought on by a petition for review. Prior to filing a petition for review, you may request an informal conference concerning any of the results of the inspection (safety orders, penalties, abatement dates, etc.) by contacting the Indiana Department of Labor/IOSHA, preferably by telephone, in a prompt manner. Please be advised that a request for an informal conference cannot extend the fifteen working day period for filing a petition for review. Informal conferences frequently resolve any possible disputes, and therefore you are urged to take advantage of this opportunity. Because of the limited time period and in order to facilitate scheduling, any requests for an informal conference should be made promptly upon your receipt of the safety order(s) and notification(s) of penalty.

Right to Contest - You are hereby also notified that you are entitled to seek administrative review of the safety order(s), penalty(ies), or both by filing a written petition for review at the above address postmarked within fifteen working days of your receipt of the safety order(s) and notification(s) of penalty. ("Working days" means Mondays through Fridays, but does not include Saturdays, Sundays, legal holidays under a state statute or days

on which the Indiana Department of Labor's offices are closed during regular business hours). If you do not file such a petition for review (contest), the safety order(s) and penalty(ies) shall be deemed final orders of the Board of Safety Review and not subject to review by any court or agency. The issuance of a safety order does not constitute a finding that a violation has occurred unless no petition for review is filed, or if a petition for review (contest) is filed, it must contain a statement of its basis and should reference the above inspection number. Upon receipt of your petition for review, we will affirm, amend or dismiss the safety order(s) and notification(s) of penalty. If we affirm, your petition for review will be granted (unless it was not timely) and the dispute will be certified by the Board of Safety Review for further proceedings. The Board of Safety Review is an independent agency appointed by the governor with authority to conduct hearings and to issue decisions concerning disputed safety order(s) and notification(s) of penalty. If we amend the safety order(s) or notification(s) of penalty, your petition for review shall be deemed moot. However, you will then be given an opportunity to file a petition for review concerning the amended safety order(s) and notification(s) of penalty.

Please be advised that an employee or representative of employees may file a petition for review to contest the reasonableness of the time stated in the safety order(s) for the abatement of any violation.

Posting - Upon receipt of any safety order(s) you are required to post such safety order(s), or a copy thereof, unedited, at or near each place an alleged violation referred to in the safety order(s) occurred. However, if your operations are such that it is not practicable to post the safety order(s) at or near each place of alleged violation, such safety order(s) shall be posted, unedited, in a prominent place where it will be readily observable by all affected employees. For example, if you are engaged in activities which are physically dispersed, the safety order(s) may be posted at the location from which the employees operate to carry out their activities. You must take steps to ensure that the safety order is not altered, defaced, or covered by other material. Posting shall be until the violation is abated, or for three working days, whichever is longer.

Penalties - Penalties are due within fifteen (15) working days of receipt of this notification unless contested. Abatement does not constitute payment of penalties.

Abatement - The conditions cited in the safety order(s) must be corrected (abated) on or before the date shown for each item on the safety order(s) and notification(s) of penalty unless:

(1) You file a petition for review concerning the violation, in which case the full abatement period shall commence from the issuance of a final decision by the Board of Safety Review or the courts which requires compliance with the safety order; or

(2) The abatement period is extended by the granting of a petition for modification of abatement date.

PMAs - The petition for modification of abatement date is a manner in which you may seek additional time to correct (abate) a violation without having to file a petition for review concerning the safety order, or after the expiration of the time period to file such a petition for review when it becomes apparent that you need extra time to abate the violation. A petition for modification of abatement date shall be in writing and shall include the following information:

(1) All steps you have taken, and the dates of such actions, in an effort to achieve compliance during the prescribed abatement period.

(2) The specific additional abatement time necessary in order to achieve compliance.

(3) The reasons such additional time is necessary, including the unavailability of professional or technical personnel or of materials and equipment, or because necessary construction or alteration of facilities cannot be completed by the original abatement date.

(4) All available interim steps being taken to safeguard employees against the cited hazard during the abatement period.

(5) A certification that a copy of the petition has been posted, and if appropriate, served on the authorized representative of affected employees, and a certification of the date upon which such posting and service was made.

A petition for modification of abatement date shall be filed with the Indiana Department of Labor/IOSHA no later than the close of the next working day following the date on which abatement was originally required. A later-filed petition shall be accompanied by the employer's statement of exceptional circumstances explaining the delay. A copy of such petition shall be posted in a conspicuous place where all affected employees will have notice thereof or near such location where the violation occurred. The petition shall remain posted until the time period for the filing of a petition for review of the Commissioner's granting or denying the petition expires. Where affected employees are represented by an authorized representative, said representative shall be served a copy of such petition.

Notification of Corrective Action - Correction of the alleged violations which have an abatement period of thirty (30) days or less should be reported in writing to us promptly upon correction. A "Letter of Abatement" form and an "Abatement Photographs" worksheet are enclosed for your assistance in providing adequate documentation of abatement. Reports of corrections should show specific corrective action on each alleged violation and the date of such action. On alleged violations with abatement periods of more than thirty (30) days, a written progress report should be submitted, detailing what has been done, what remains to be done, and the time needed to fully abate each such violation. When the alleged violation is fully abated, we should be so advised. Timely correction of an alleged violation does not affect the initial proposed penalty.

Followup Inspections - Please be advised that a followup inspection may be made for the purpose of ascertaining that you have posted the safety order(s) and corrected the alleged violations. Failure to correct an alleged violation may result in additional penalties for each day that the violation has not been corrected.

Employer Discrimination Unlawful - The law prohibits discrimination by an employer against an employee for filing a complaint or for exercising any rights under this Act. An employee who believes that he/she has been discriminated against may file a complaint no later than 30 days after the discrimination occurred with the Indiana Department of Labor/IOSHA at the address shown above.

Notice to Employees - The law gives an employee or his/her representative the opportunity to object to any abatement date set for a violation if he/she believes the date to be unreasonable. The contest must be mailed to the Indiana Department of Labor/IOSHA at the address shown above within fifteen (15) working days (excluding weekends and State holidays) or receipt by the employer of this safety order and penalty.

If you wish additional information, you may direct such requests to us at the address or telephone number stated above.

NOTICE TO EMPLOYEES OF INFORMAL CONFERENCE

An informal conference has been scheduled with IOSHA to discuss the safety order(s) issued on 12/28/2011. The conference will be held at the IOSHA office located at 402 West Washington Street, Room W195, Indianapolis, IN 46204 on _____ at _____. Employees and/or representatives of employees have a right to attend an informal conference.

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for illness or injury resulting from an accident.

Safety Order 1 Item 1a Type of Violation: **Serious**

29 CFR 1910.132(d)(2): The employer did not verify that the required workplace personal protective equipment hazard assessment was performed through a written certification that identified the workplace evaluated; the person certifying that the evaluation had been performed; the date(s) of the hazard assessment; and which identified the document as a certification of hazard assessment:

Facility Wide - Maintenance employees performed electrical work such as, but not limited to circuit breaker and fuse changes, installing electrical conduit and changing/rewiring electrical equipment and installations (transformers, rectifiers, motors, etc.). Prior to requiring maintenance employees to perform electrical work, the employer did not perform a Personal Protective Equipment (PPE) Hazard Assessment or determine if the PPE currently used was sufficient to protect employees from the hazards (both actual and potential) that that may arise while performing electrical work.

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$4,900.00**

Safety Order 1 Item 1b Type of Violation: **Serious**

29 CFR 1910.335(a)(1)(i): Employees working in areas where there were potential electrical hazards were not provided with, and did not use, electrical protective equipment that was appropriate for the specific parts of the body to be protected and for the work to be performed:

Facility Wide - Maintenance employees who performed electrical work such as, but not limited to circuit breaker and fuse changes, installing electrical conduit and changing/rewiring electrical equipment and installations (transformers, rectifiers, motors, etc.) were not provided and did not wear flame-resistant clothing (FRC) or insulated gloves.

ABATEMENT NOTE: After July 8, 2011, maintenance employees were required to wear Salisbury Type 1 (Natural Rubber), Class 00 Lineman Gloves (D120) which are rated for voltages up to 500-Volts (AC). However, the Salisbury gloves are only rated for voltages up to 250-Volts (AC) as they currently are used by maintenance employees because leather protectors are not worn over the gloves. The leather protectors would also protect the rubber insulated gloves from physical damage from the chemicals used inside of the Anocut Room/Area. The Salisbury gloves are also not intended to be stored in the plastic bags they come with. Per the manufacturer (Salisbury), the gloves should be stored in a canvas glove bag. Based on all of this information, the Salisbury gloves are not adequate to protect maintenance employees from electrical hazards as they are currently used (i.e. without leather protectors and inadequate storage).

Date By Which Violation Must be Abated: **01/25/2012**

Safety Order and Notification of Penalty

Company Name: Twigg Corporation
Inspection Site: 659 East York Street, Martinsville, IN 46151-2549

Safety Order 1 Item 1c Type of Violation: **Serious**

29 CFR 1910.335(a)(2)(i): When working near exposed energized conductors or circuit parts, each employee did not use insulated tools or handling equipment when the tools or handling equipment might have made contact with such conductors or parts:

Facility Wide - Maintenance employees who performed electrical work such as, but not limited to circuit breaker and fuse changes, installing electrical conduit and changing/rewiring electrical equipment and installations (transformers, rectifiers, motors, etc.) were not provided and did not use insulated tools while working around potentially exposed energized conductors.

Date By Which Violation Must be Abated: 01/25/2012

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for illness or injury resulting from an accident.

Safety Order 1 Item 2a Type of Violation: **Serious**

29 CFR 1910.147(c)(4)(ii): The energy control procedures did not clearly and specifically outline the scope, purpose, authorization, rules, and techniques to be utilized for the control of hazardous energy, including, but not limited to Items A-D of this section:

Anocut Room/Area - The written lockout/tagout (LOTO) procedure for the Anocut (Electrochemical Grinder) did not mention that the Anocut possessed hydraulic components (energy sources). The LOTO procedure for the Anocut also never discussed how to specifically isolate and/or control the hydraulic components (energy sources) located on the Anocut. The LOTO procedure for the Anocut only discussed how to isolate the electrical and pneumatic sources of energy, but the only sources of (kinetic and potential) energy on the Anocut were electric and hydraulic.

Date By Which Violation Must be Abated: **Corrected During Inspection**
Proposed Penalty: **$3,500.00**

Safety Order 1 Item 2b Type of Violation: **Serious**

29 CFR 1910.333(b)(2)(ii)(C): Stored electric energy which could endanger personnel was not released. Capacitors were not discharged and high capacitance elements were not short circuited and grounded, where the stored electric energy could endanger personnel:

Anocut Room/Area - Prior to performing electrical work on the Anocut Room/Area's 3-Phase electrical system, maintenance employees did not discharge the stored electric energy contained in the capacitors located inside of the Anocut Model 500G (Serial Number 1580) Automatic Electronic Power Supply Unit (rectifier). Maintenance employees also did not assure the rectifier was effectively grounded.

Date By Which Violation Must be Abated: **01/25/2012**

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for illness or injury resulting from an accident.

Safety Order 1 Item 3a Type of Violation: **Serious**

29 CFR 1910.147(c)(5)(ii): Lockout devices and tagout devices were not singularly identified:

Outside of Anocut Room/Area - On or before July 12, 2011, a lock and tag were applied to one of the bus plugs on the busway that was located directly outside of the North wall of the Anocut Room/Area. Neither the lock nor the tag that were affixed to the bus plug were labeled or marked with the identity of the employee who applied the lock and tag to bus plug, or singularly identified by some other effective means (color, number, etc.).

Date By Which Violation Must be Abated: **Corrected During Inspection**
Proposed Penalty: **$3,500.00**

Safety Order 1 Item 3b Type of Violation: **Serious**

29 CFR 1910.147(c)(5)(ii)(D): Lockout devices and tagout devices did not indicate the identity of the employee applying the device(s):

Outside of Anocut Room/Area - On or before July 12, 2011, a lock and tag were applied to one of the bus plugs on the busway that was located directly outside of the North wall of the Anocut Room/Area. Neither the lock nor the tag that were affixed to the bus plug were labeled or marked with the identity of the employee who applied the lock and tag to bus plug, or singularly identified by some other effective means (color, number, etc.).

Date By Which Violation Must be Abated: **Corrected During Inspection**

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for illness or injury resulting from an accident.

Safety Order 1 Item 4a Type of Violation: **Serious**

29 CFR 1910.303(b)(1): Electrical equipment was not free from recognized hazards that were likely to cause death or serious physical harm to employees:

Anocut Room/Area - Electrical equipment and installations such as, but not limited to electrical receptacles (outlets) were exposed to the hazardous conditions (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.) located inside of the Anocut Room/Area. Employees plug and unplug flexible cords and cord and plug connected equipment such as, but not limited to the Gurley Pointfinder Model 1500 (Serial Number 0403249) Instrument into the 120-Volt (AC) electrical receptacle (outlet) on the South wall. Although the electrical receptacle on the South wall was equipped with a ground-fault circuit-interrupter (GFCI), the GFCI was never tested to determine if it was functioning correctly.

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$4,900.00**

Safety Order 1 Item 4b Type of Violation: **Serious**

29 CFR 1910.305(j)(2)(iv): A receptacle installed in a wet or damp location was not suitable for the location:

Anocut Room/Area - Electrical equipment and installations such as, but not limited to electrical receptacles (outlets) were exposed to the hazardous conditions (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.) located inside of the Anocut Room/Area. Not only were the 120-Volt (AC) electrical receptacles located on the ceiling not protected from contact with water and/or Electrolyte solution, but the electrical receptacles were also not equipped with ground-fault circuit-interrupters (GFCIs).

Date By Which Violation Must be Abated: **01/25/2012**

Safety Order 1 Item 4c Type of Violation: **Serious**

29 CFR 1910.305(j)(2)(vi): A receptacle installed in a wet location where the product intended to be plugged into it was not attended while in use did not have an enclosure that was weatherproof with the attachment plug cap inserted or removed:

Anocut Room/Area - Electrical equipment and installations such as, but not limited to electrical receptacles (outlets) were exposed to the hazardous conditions (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.) located inside of the Anocut Room/Area. Employees plug and unplug flexible cords and cord and plug connected equipment such as, but not limited to the Gurley Pointfinder Model 1500 (Serial Number 0403249) Instrument into the 120-Volt (AC) electrical receptacle (outlet) on the South wall. The electrical receptacle on the South wall was not equipped with an appropriate cover to prevent moisture from contacting and entering the receptacle.

Date By Which Violation Must be Abated: **01/25/2012**

Safety Order 1 Item 4d Type of Violation: **Serious**

29 CFR 1910.305(j)(2)(vii): A receptacle installed in a wet location where the product intended to be plugged into it will be attended while in use did not have an enclosure that was weatherproof when the attachment plug cap was removed:

Anocut Room/Area - Electrical equipment and installations such as, but not limited to electrical receptacles (outlets) were exposed to the hazardous conditions (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.) located inside of the Anocut Room/Area. Employees plug and unplug flexible cords and cord and plug connected equipment such as, but not limited to the Gurley Pointfinder Model 1500 (Serial Number 0403249) Instrument into the 120-Volt (AC) electrical receptacle (outlet) on the South wall. The electrical receptacle on the South wall was not equipped with an appropriate cover to prevent moisture from contacting and entering the receptacle.

Date By Which Violation Must be Abated: **01/25/2012**

Safety Order 1 Item 5 Type of Violation: **Serious**

29 CFR 1910.303(b)(2): Listed or labeled electrical equipment was not used or installed in accordance with instructions included in the listing or labeling:

(a) Anocut Room/Area - The Anocut Model 500G (Serial Number 1580) Automatic Electronic Power Supply Unit (rectifier) was supplied by a Federal Pacific Disconnect Switch (Catalog Number 16365N) on the South wall. The center phase conductor (wire) on the load side (bottom) of the switch had white insulation. The color white was permitted for grounded conductors only, while this conductor was used as an ungrounded (phase) conductor.

(b) Anocut Room/Area - Bus drop cable was used to connected the Acme General Purpose Transformer (Catalog Number T-2-53516-3S) to the Challenger SCR Motor Control Unit. United Laboratories (UL) Category ZIMX covers multiple-conductor bus drop cable intended for use in accordance with Article 368 and other applicable parts of the *National Electrical Code*. Section 368.56 of the *National Electrical Code* (NFPA 70-2011) discusses the use of branches off of busways. The bus drop cable used inside of the Anocut Room/Area was not used as a branch off of a busway. Instead, the bus drop cable was used as electrical wiring between two pieces of stationary electrical equipment, neither of which were directly connected to busways. Thus, the bus drop cable was not used in accordance with the instructions included in the listing or labeling.

(c) Anocut Room/Area - The 120-Volt (AC) flourescent lighting fixtures were exposed to the hazardous conditions (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.) located inside of the Anocut Room/Area. Due to the open construction of the lighting fixtures (i.e. no shields or covers), the flourescent light bulbs, ballasts and other electrical parts of the lighting fixtures were exposed to significant amounts of water and Electrolyte solution (mist). None of the lighting fixtures were also identified, listed and/or approved for use in wet environments and environments where corrosive chemicals were used or present.

ABATEMENT NOTE: Instance (c) was Corrected During Inspection

(d) Anocut Room/Area - Electrical equipment and installations such as, but not limited to electrical receptacles (outlets) were exposed to the hazardous conditions (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.) located inside of the Anocut Room/Area. Employees plug and unplug flexible cords and cord and plug connected equipment such as, but not limited to the Gurley Pointfinder Model 1500 (Serial Number 0403249) Instrument into the 120-Volt (AC) electrical receptacle (outlet) on the South wall. The electrical receptacle on the South wall was not equipped with an appropriate cover to prevent moisture from contacting and entering the receptacle.

ABATEMENT NOTE: Instance (d) was Corrected During Inspection

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$4,900.00**

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for illness or injury resulting from an accident.

Safety Order 1 Item 6a Type of Violation: **Serious**

29 CFR 1910.303(b)(7)(i): Unused openings in boxes, raceways, auxiliary gutters, cabinets, equipment cases, or housings were not effectively closed to afford protection substantially equivalent to the wall of the equipment:

(a) Anocut Room/Area - The Acme General Purpose Transformer (Catalog Number T-2-53516-3S) was connected to the bottom of the control box on the Challenger Motor Control Unit through two bus drop cables. Although this opening on the control box was in use, the two bus drop cables did not completely seal the opening underneath the control box. The opening(s) caused by the improperly sealed control box could allow water and/or Electrolyte solution to enter the inside of the control box and potentially contact the internal conductors inside of the control box.

(b) Anocut Room/Area - Two pre-punched knockouts were missing on the right side of the transformer located directly underneath the Challenger Motor Control Unit. The holes/openings caused by the missing knockout plugs could allow water and/or Electrolyte solution to enter the inside of the transformer and potentially contact the internal conductors on the transformer.

ABATEMENT NOTE: Instance (b) was Corrected During Inspection

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$3,500.00**

Safety Order 1 Item 6b Type of Violation: **Serious**

29 CFR 1910.305(b)(1)(i): Conductors entering cutout boxes, cabinets, or fittings were not protected from abrasion, and openings through which conductors entered were not effectively closed:

Anocut Room/Area - The flexible conduit that was connected to the top of the control box located on the left side of the Challenger Motor Control Unit had broke loose from the fitting. Because the electrical wires were no longer protected by the flexible conduit, the electrical wires were exposed to abrasion and other physical and chemical hazards (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.).

Date By Which Violation Must be Abated: **Corrected During Inspection**

Safety Order 1 Item 6c Type of Violation: **Serious**

29 CFR 1910.305(b)(1)(ii): Unused openings in cabinets, boxes, and fittings were not effectively closed:

(a) Anocut Room/Area - The Acme General Purpose Transformer (Catalog Number T-2-53516-3S) was connected to the bottom of the control box on the Challenger Motor Control Unit through two bus drop cables. Although this opening on the control box was in use, the two bus drop cables did not completely seal the opening underneath the control box. The opening(s) caused by the improperly sealed control box could allow water and/or Electrolyte solution to enter the inside of the control box and potentially contact the internal conductors inside of the control box.

(b) Anocut Room/Area - Two pre-punched knockouts were missing on the right side of the transformer located directly underneath the Challenger Motor Control Unit. The holes/openings caused by the missing knockout plugs could allow water and/or Electrolyte solution to enter the inside of the transformer and potentially contact the internal conductors on the transformer.

ABATEMENT NOTE: Instance (b) was Corrected During Inspection

Date By Which Violation Must be Abated: 01/25/2012

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for illness or injury resulting from an accident.

Safety Order 1 Item 7a Type of Violation: **Serious**

29 CFR 1910.303(e): Markings were not provided on electrical equipment giving voltage, current, wattage, and other ratings as necessary:

(a) Outside of Anocut Room/Area - Electrical installations and equipment located inside of the Anocut Room/Area were powered by a busway that was located directly outside of the North wall. Neither the busway, nor the bus plugs were marked or labeled with electrical information such as, but not limited to the voltage and amperage (current) supplied by the busway and/or the bus plugs.

(b) Welding Area - The electrical receptacles (outlets) and lighting fixtures located inside of the Anocut Room/Area were connected to a 120-Volt electrical panel located in the Welding Area. The electrical panel was not marked or labeled with electrical information such as, but not limited to the voltage and amperage (current) supplied by the panel.

ABATEMENT NOTE: Instance (b) was Corrected During Inspection

(c) Anocut Room/Area - The Federal Pacific Disconnect Switch (Catalog Number 16365N) located on the South wall was not marked or labeled with electrical information such as, but not limited to the voltage and amperage (current) supplied by the switch.

ABATEMENT NOTE: Instance (c) was Corrected During Inspection

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$4,900.00**

Safety Order 1 Item 7b Type of Violation: **Serious**

29 CFR 1910.303(f)(1): Each disconnecting means required by this subpart for motors and appliances was not legibly marked to indicate its purpose, unless located and arranged so the purpose was evident:

Anocut Room/Area - The Federal Pacific Disconnect Switch (Catalog Number 16365N) located on the South wall was not marked or labeled as to what electrical equipment, installations or apparatus it supplied (or was connected to).

Date By Which Violation Must be Abated: **Corrected During Inspection**

Safety Order 1 Item 7c Type of Violation: **Serious**

29 CFR 1910.303(f)(2): Each service, feeder, and branch circuit, at its disconnecting means or overcurrent device, was not legibly marked to indicate its purpose, unless located and arranged so the purpose was evident:

(a) Outside of Anocut Room/Area - Electrical installations and equipment located inside of the Anocut Room/Area were powered by a busway that was located directly outside of the North wall. Neither the busway, nor the bus plugs were marked or labeled as to what electrical equipment, installations or apparatus they supplied (or were connected to).

(b) Welding Area - The electrical receptacles (outlets) and lighting fixtures located inside of the Anocut Room/Area were connected to a 120-Volt electrical panel located in the Welding Area. None of the circuit breakers located inside of this electrical panel were marked or labeled as to what electrical equipment, installations or apparatus they supplied (or were connected to).

ABATEMENT NOTE: Instance (b) was Corrected During Inspection

Date By Which Violation Must be Abated: 01/25/2012

Safety Order and Notification of Penalty

Company Name: Twigg Corporation
Inspection Site: 659 East York Street, Martinsville, IN 46151-2549

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for illness or injury resulting from an accident.

Safety Order 1 Item 8a Type of Violation: **Serious**

29 CFR 1910.303(f)(4): Disconnecting means required by this subpart were not capable of being locked in the open position:

Anocut Room/Area - The Federal Pacific Disconnect Switch (Catalog Number 16365N) located on the South wall of the Anocut Room/Area was not capable of accepting a lock. There were no holes or other points where a lock could be attached to the metal handle located on the outside of the disconnect switch, and the disconnect switch could not be locked out in the open ("off") position.

Date By Which Violation Must be Abated: **Corrected During Inspection**
Proposed Penalty: **$4,900.00**

Safety Order 1 Item 8b Type of Violation: **Serious**

29 CFR 1910.304(e)(1)(i): The service disconnecting means did not plainly indicate whether it was in the open or closed position:

Anocut Room/Area - The Federal Pacific Disconnect Switch (Catalog Number 16365N) located on the South wall was rusted and corroded, which obscured the labels and markings (including the switch's position) located on the outside of the disconnect switch.

Date By Which Violation Must be Abated: **Corrected During Inspection**

Safety Order 1 Item 9 Type of Violation: **Serious**

29 CFR 1910.304(a)(1)(i): A conductor used as a grounded conductor was not identifiable and distinguishable from all other conductors:

Anocut Room/Area - The Anocut Model 500G (Serial Number 1580) Automatic Electronic Power Supply Unit (rectifier) was supplied by a Federal Pacific Disconnect Switch (Catalog Number 16365N) on the South wall. The center phase conductor (wire) on the load side (bottom) of the switch had white insulation. The color white was permitted for grounded conductors only, while this conductor was used as an ungrounded (phase) conductor.

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$3,500.00**

Safety Order 1 Item 10 Type of Violation: **Serious**

29 CFR 1910.304(b)(4): Outlet devices had an ampere rating more than the load to be served:

Anocut Room/Area - The 120-Volt (AC) electrical receptacles (outlets) and lighting fixtures located throughout the Anocut Room/Area were connected to two 30-Amp circuit breakers, which were located inside of an electrical panel in the Welding Area. The 30-Amp circuit breakers were too large (in terms of current) and would not offer effective overcurrent protection for the electrical receptacles and lighting fixtures.

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$4,900.00**

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for illness or injury resulting from an accident.

Safety Order 1 Item 11a Type of Violation: **Serious**

29 CFR 1910.304(e)(1)(iii): Each service disconnecting means was not suitable for the prevailing conditions:

Anocut Room/Area - The Federal Pacific Disconnect Switch (Catalog Number 16365N) located on the South wall was exposed to the hazardous conditions (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.) located inside of the Anocut Room/Area. The disconnect switch, which was rusted and corroded, was not identified, listed and/or approved for use in wet environments and environments where corrosive chemicals were used or present.

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$4,900.00**

Safety Order 1 Item 11b Type of Violation: **Serious**

29 CFR 1910.305(e)(2): Switches, circuit breakers and switchboards installed in wet locations were not enclosed in weatherproof enclosures:

Anocut Room/Area - The Federal Pacific Disconnect Switch (Catalog Number 16365N) located on the South wall was exposed to the hazardous conditions (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.) located inside of the Anocut Room/Area. The disconnect switch, which was rusted and corroded, and was not identified, listed and/or approved for use in wet environments and environments where corrosive chemicals were used or present.

Date By Which Violation Must be Abated: **01/25/2012**

Safety Order 1 Item 11c Type of Violation: **Serious**

29 CFR 1910.305(g)(1)(i): Flexible cords and cables were not approved and suitable for conditions of use and location:

Anocut Room/Area - Flexible cords and cables such as, but not limited to welding cables ("DC Leads") and flexible cords attached to electrical equipment (Gurley Pointfinder Model 1500 Instrument, lighting fixtures, etc.) were exposed to the hazardous conditions (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.) located inside of the Anocut Room/Area. These flexible cords and cables were damaged and/or deteriorated due to being wet and/or covered with Electrolyte solution and water.

Date By Which Violation Must be Abated: **01/25/2012**

Safety Order 1 Item 11d Type of Violation: **Serious**

29 CFR 1910.334(a)(4): Portable electric equipment and flexible cords used in highly conductive work locations, or in job locations where employees were likely to contact water or conductive liquids, were not approved for those locations:

Anocut Room/Area - Flexible cords and cables such as, but not limited to welding cables ("DC Leads") and flexible cords attached to electrical equipment (Gurley Pointfinder Model 1500 Instrument, lighting fixtures, etc.) were exposed to the hazardous conditions (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.) located inside of the Anocut Room/Area. These flexible cords and cables were damaged and/or deteriorated due to being wet and/or covered with Electrolyte solution and water.

Date By Which Violation Must be Abated: **01/25/2012**

Safety Order 1 Item 12 Type of Violation: **Serious**

29 CFR 1910.304(g)(5): The path to ground from circuits, equipment, and enclosures was not permanent, continuous, and effective

(a) Anocut Room/Area - The 120-Volt (AC) flourescent lighting fixtures were plugged into various two-conductor electrical receptacles (outlets) located on the ceiling. In order to make the three-prong (conductor) plugs on each of the lighting fixtures fit into the two-conductor electrical receptacles, the grounding pins (conductors) were cut off and/or removed from each of the plugs.

(b) Anocut Room/Area - The emergency lighting system for the Anocut Room/Area consisted of a TCP (Part Number 20757) Lighting Fixture and an Emergency Lighting and Power Equipment Model R-1 Lighting Fixture. The 120-Volt (AC) TCP Emergency Lighting Fixture was plugged into a two-conductor electrical receptacle located on the ceiling. In order to make the three-prong (conductor) plug on the TCP Emergency Lighting Fixture fit into the two-conductor electrical receptacle, the grounding pin (conductor) was removed from the plug.

(c) Anocut Room/Area - Neither the Challenger Motor Control Unit, nor the Acme General Purpose Transformer (which was connected to the motor control) were effectively grounded. The Challenger Motor Control Unit was grounded through a ground rod (earth ground) that was driven through the concrete floor of the Anocut Room/Area.

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$4,900.00**

Safety Order 1 Item 13 Type of Violation: **Serious**

29 CFR 1910.304(g)(6)(iv)(B): Exposed noncurrent-carrying metal parts of fixed equipment that may become energized were not grounded if located in a wet or damp location and not isolated:

Anocut Room/Area - The Federal Pacific Disconnect Switch (Catalog Number 16365N) located on the South wall was exposed to the hazardous conditions (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.) located inside of the Anocut Room/Area. The Federal Pacific Disconnect Switch, which was rusted and corroded, was connected to the busway that was located outside of the North wall through metal conduit. Due to exposure to conductive liquids and the ineffective grounding of the disconnect switch, exterior parts of the disconnect switch including, but not limited to the metal casing and the metal handle could potentially become energized.

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$4,900.00**

Safety Order and Notification of Penalty

Company Name: Twigg Corporation
Inspection Site: 659 East York Street, Martinsville, IN 46151-2549

Safety Order 1 Item 14 Type of Violation: **Serious**

29 CFR 1910.304(f)(1)(i): Conductors and equipment rated 600 volts, nominal, or less were not protected from overcurrent in accordance with their ability to safely conduct current:

Anocut Room/Area - The Anocut Model 500G Automatic Electronic Power Supply Unit (rectifier) was equipped with a 100-Amp circuit breaker. The 100-Amp circuit breaker located inside of the rectifier was too large (in terms of current) and would not offer effective overcurrent protection.

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$4,900.00**

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for illness or injury resulting from an accident.

Safety Order 1 Item 15a Type of Violation: **Serious**

29 CFR 1910.305(j)(1)(iv): Fixtures installed in wet or damp locations were not approved for the purpose and were not so constructed or installed that water could not enter or accumulate in wireways, lampholders, or other electrical parts:

Anocut Room/Area - The 120-Volt (AC) flourescent lighting fixtures were exposed to the hazardous conditions (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.) located inside of the Anocut Room/Area. Due to the open construction of the lighting fixtures (i.e. no shields or covers), the flourescent light bulbs, ballasts and other electrical parts of the lighting fixtures were exposed to significant amounts of water and Electrolyte solution (mist). None of the lighting fixtures were also identified, listed and/or approved for use in wet environments and environments where corrosive chemicals were used or present.

Date By Which Violation Must be Abated: **Corrected During Inspection**
Proposed Penalty: **$4,900.00**

Safety Order 1 Item 15b Type of Violation: **Serious**

29 CFR 1910.334(a)(3)(ii): Attachment plugs and receptacles were connected or altered in a manner which prevented proper continuity of the electric equipment grounding conductor at the point where plugs were attached to receptacles:

(a) Anocut Room/Area - The 120-Volt (AC) flourescent lighting fixtures were plugged into various two-conductor electrical receptacles (outlets) located on the ceiling. In order to make the three-prong (conductor) plugs on each of the lighting fixtures fit into the two-conductor electrical receptacles, the grounding pins (conductors) were cut off and/or removed from each of the plugs.

(b) Anocut Room/Area - The emergency lighting system for the Anocut Room/Area consisted of a TCP (Part Number 20757) Lighting Fixture and an Emergency Lighting and Power Equipment Model R-1 Lighting Fixture. The 120-Volt (AC) TCP Emergency Lighting Fixture was plugged into a two-conductor electrical receptacle located on the ceiling. In order to make the three-prong (conductor) plug on the TCP Emergency Lighting Fixture fit into the two-conductor electrical receptacle, the grounding pin (conductor) was removed from the plug.

Date By Which Violation Must be Abated: **01/25/2012**

Safety Order 1 Item 16 Type of Violation: **Serious**

29 CFR 1910.308(b)(1): Emergency circuit wiring was not kept entirely independent of all other wiring and equipment:

Anocut Room/Area - The emergency lighting system for the Anocut Room/Area consisted of a TCP (Part Number 20757) Lighting Fixture and an Emergency Lighting and Power Equipment Model R-1 Lighting Fixture. This emergency lighting system was not installed on an independent electrical system (circuit), and both of the emergency lighting fixtures were plugged into 110/120-Volt (AC) electrical receptacles located on the ceiling and South wall.

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$3,500.00**

Safety Order 1 Item 17 Type of Violation: **Serious**

29 CFR 1910.333(b)(2): While any employee was exposed to contact with parts of fixed electric equipment or circuits which had been de-energized, the circuits energizing the parts were not locked out or tagged or both:

Facility Wide - Maintenance employees performed electrical work such as, but not limited to circuit breaker and fuse changes, installing electrical conduit and changing/rewiring electrical equipment and installations (transformers, rectifiers, motors, etc.). Although the electrical disconnects on the electrical equipment and installations were de-energized , maintenance employees did not apply locks and/or tags on all of the electrical disconnects, electrical circuits or shut-off points prior to performing electrical work.

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$4,900.00**

Safety Order and Notification of Penalty

Company Name: Twigg Corporation
Inspection Site: 659 East York Street, Martinsville, IN 46151-2549

Safety Order 1 Item 18 Type of Violation: **Serious**

29 CFR 1910.333(b)(2)(iii)(A): A lock and a tag were not placed on each disconnecting means used to de-energize circuits and equipment on which work was to be performed:

Anocut Room/Area - Prior to performing electrical work on electrical equipment and installations which were connected to a Federal Pacific (Catalog Number 16365N) Disconnect Switch, maintenance employees did not affix locks and/or tags to the disconnect switch.

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$4,900.00**

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for illness or injury resulting from an accident.

Safety Order 1 Item 19a Type of Violation: **Serious**

29 CFR 1910.334(a)(5)(i): Employees' hands were wet when plugging and unplugging flexible cords and cord and plug connected equipment, where energized electric equipment was involved:

Anocut Room/Area - Employees' hands were wet with water and/or Electrolyte solution while plugging and unplugging flexible cords and cord and plug connected equipment such as, but not limited to the Gurley Pointfinder Model 1500 (Serial Number 0403249) Instrument into 120-Volt (AC) electrical receptacles (outlets). While plugging and unplugging flexible cords and cord and plug connected equipment, employees also sometimes stood on a floor that was covered with water and/or Electrolyte solution. Employees were also not required and did not wear insulated personal protective equipment (PPE) such as, but not limited to gloves while plugging and unplugging wet or damp flexible cords and plugs into wet or damp electrical receptacles.

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$4,900.00**

Safety Order 1 Item 19b Type of Violation: **Serious**

29 CFR 1910.334(a)(5)(ii): Energized plug and receptacle connections were handled without insulating protective equipment where the condition of the connection could provide a conducting path to the employee's hand:

Anocut Room/Area - Employees' hands were wet with water and/or Electrolyte solution while plugging and unplugging flexible cords and cord and plug connected equipment such as, but not limited to the Gurley Pointfinder Model 1500 (Serial Number 0403249) Instrument into 120-Volt (AC) electrical receptacles (outlets). While plugging and unplugging flexible cords and cord and plug connected equipment, employees also sometimes stood on a floor that was covered with water and/or Electrolyte solution. Employees were also not required and did not wear insulated personal protective equipment (PPE) such as, but not limited to gloves while plugging and unplugging wet or damp flexible cords and plugs into wet or damp electrical receptacles.

Date By Which Violation Must be Abated: **01/25/2012**

Safety Order and Notification of Penalty

Company Name: Twigg Corporation
Inspection Site: 659 East York Street, Martinsville, IN 46151-2549

Safety Order 2 Item 1 Type of Violation: **Knowing**

29 CFR 1910.147(c)(7)(i): The employer did not provide adequate training to ensure that the purpose and function of the energy control program was understood by employees and that the knowledge and skills required for the safe application, usage and removal of energy control devices were acquired by employees:

Facility Wide - Maintenance employees performed maintenance and servicing activities such as, but not limited to cleaning/purging of machinery, greasing/lubrication of internal parts of machinery and changing internal and external parts on machinery (belts, pulleys, etc.). Maintenance employees also performed electrical work such as, but not limited to circuit breaker and fuse changes, installing electrical conduit and changing/rewiring electrical equipment and installations (transformers, rectifiers, motors, etc.). Prior to performing maintenance and/or servicing activities that would necessitate the use of lockout-tagout (LOTO) devices and/or procedures, maintenance employees were not provided effective LOTO training.

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$56,000.00**

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for illness or injury resulting from an accident.

Safety Order 2 Item 2a Type of Violation: **Knowing**

29 CFR 1910.303(b)(2): Listed or labeled electrical equipment was not used or installed in accordance with instructions included in the listing or labeling:

Anocut Room/Area - Electrical equipment and installations such as, but not limited to electrical conduit, electrical wiring/cables, electrical receptacles (outlets), electrical boxes, disconnect switches, motors and lighting fixtures were exposed to the hazardous conditions (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.) located inside of the Anocut Room/Area. The electrical wiring, electrical boxes and motors located on and/or around the Anocut were rusted and/or corroded. The metal conduit used inside of the Anocut Room/Area was also rusted and/or corroded. None of the electrical enclosures located inside of the Anocut Room/Area were identified, listed and/or approved for use in wet environments and environments where corrosive chemicals were used or present (NEMA Type 4X).

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$56,000.00**

Safety Order 2 Item 2b Type of Violation: **Knowing**

29 CFR 1910.303(b)(6): Unless identified for use in the operating environment, conductors or equipment were located in damp or wet locations; were exposed to gases, fumes, vapors, liquids, or other agents that had a deteriorating effect on the conductors or equipment; or were exposed to excessive temperatures:

Anocut Room/Area - Electrical equipment and installations such as, but not limited to electrical conduit, electrical wiring/cables, electrical receptacles (outlets), electrical boxes, electrical receptacles (outlets), disconnect switches, motors and lighting fixtures were exposed to the hazardous conditions (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.) located inside of the Anocut Room/Area. The electrical wiring, electrical boxes and motors located on and/or around the Anocut were rusted and/or corroded. The metal conduit used inside of the Anocut Room/Area was also rusted and/or corroded. None of the electrical enclosures located inside of the Anocut Room/Area were identified, listed and/or approved for use in wet environments and environments where corrosive chemicals were used or present (NEMA Type 4X).

Date By Which Violation Must be Abated: **01/25/2012**

Safety Order 2 Item 2c Type of Violation: **Knowing**

29 CFR 1910.303(b)(7)(iv): There were damaged parts that may have adversely affected safe operation or mechanical strength of the equipment, such as parts that were broken, bent, cut, or deteriorated by corrosion, chemical action, or overheating:

Anocut Room/Area - Electrical equipment and installations such as, but not limited to electrical conduit, electrical wiring/cables, electrical receptacles (outlets), electrical boxes, disconnect switches, motors and lighting fixtures were exposed to the hazardous conditions (water, corrosives (Electrolyte solution), heat, high relative humidity, vibration, etc.) located inside of the Anocut Room/Area. The electrical wiring, electrical boxes and motors located on and/or around the Anocut were rusted and/or corroded. The metal conduit used inside of the Anocut Room/Area was also rusted and/or corroded. None of the electrical enclosures located inside of the Anocut Room/Area were identified, listed and/or approved for use in wet environments and environments where corrosive chemicals were used or present (NEMA Type 4X).

Date By Which Violation Must be Abated: **01/25/2012**

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for illness or injury resulting from an accident.

Safety Order 2 Item 3a Type of Violation: **Knowing**

29 CFR 1910.303(b)(2): Listed or labeled electrical equipment was not used or installed in accordance with instructions included in the listing or labeling:

(a) Anocut Room/Area - The Challenger SCR Motor Control Unit and the Anocut Model 500G (Serial Number 1580) Automatic Electronic Power Supply Unit (rectifier) were connected (landed) on three terminals (screws/lugs) which were located inside of the Federal Pacific Disconnect Switch (Catalog Number 16365N) on the South wall. Each set of electrical wires from the Motor Control Unit and the rectifier were landed on the same lug (screw) located inside of the disconnect switch. However, none of the terminals (screws/lugs) located near the bottom of the disconnect switch were identified, listed or approved for more than one conductor (i.e. two wires being landed on one lug).

(b) Anocut Room/Area - The Challenger SCR Motor Control Unit and the Anocut Model 500G (Serial Number 1580) Automatic Electronic Power Supply Unit (rectifier) were connected (landed) on three terminals (screws/lugs) which were located inside of the Federal Pacific Disconnect Switch (Catalog Number 16365N) on the South wall. Each set of electrical wires from the Motor Control Unit and the rectifier were landed on the same lug (screw) located inside of the disconnect switch. However, none of the terminals (screws/lugs) located near the bottom of the disconnect switch were identified, listed or approved for more than one conductor (i.e. two wires being landed on one lug).

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$56,000.00**

Safety Order 2 Item 3b Type of Violation: **Knowing**

29 CFR 1910.303(c)(2)(ii): Terminals for more than one conductor and terminals used to connect aluminum were not so identified:

(a) Anocut Room/Area - The Challenger SCR Motor Control Unit and the Anocut Model 500G (Serial Number 1580) Automatic Electronic Power Supply Unit (rectifier) were connected (landed) on three terminals (screws/lugs) which were located inside of the Federal Pacific Disconnect Switch (Catalog Number 16365N) on the South wall. Each set of electrical wires from the Motor Control Unit and the rectifier were landed on the same lug (screw) located inside of the disconnect switch. However, none of the terminals (screws/lugs) located near the bottom of the disconnect switch were identified, listed or approved for more than one conductor (i.e. two wires being landed on one lug).

(b) Anocut Room/Area - The Challenger SCR Motor Control Unit and the Anocut Model 500G (Serial Number 1580) Automatic Electronic Power Supply Unit (rectifier) were connected (landed) on three terminals (screws/lugs) which were located inside of the Federal Pacific Disconnect Switch (Catalog Number 16365N) on the South wall. Each set of electrical wires from the Motor Control Unit and the rectifier were landed on the same lug (screw) located inside of the disconnect switch. However, none of the terminals (screws/lugs) located near the bottom of the disconnect switch were identified, listed or approved for more than one conductor (i.e. two wires being landed on one lug).

Date By Which Violation Must be Abated: **01/25/2012**

Safety Order 2 Item 4 Type of Violation: **Knowing**

29 CFR 1910.304(g)(5): The path to ground from circuits, equipment, and enclosures was not permanent, continuous, and effective:

(a) Anocut Room/Area - The 3-Phase 480-Volt (AC) Federal Pacific Disconnect Switch (Catalog Number 16365N) located on the South wall was not effectively grounded. The Federal Pacific Disconnect Switch was connected to the busway that was located outside of the North wall through metal conduit. No grounded conductor (wire) was run inside of the metal conduit and the Federal Pacific Disconnect Switch was grounded through the metal conduit. However, the metal conduit was corroded and rusted and there were several loose connections in the metal conduit. The deteriorated and loose-fitting nature of the metal conduit would severely limit the conduit's potential to act as a ground.

(b) Anocut Room/Area - The Anocut Model 500G (Serial Number 1580) Automatic Electronic Power Supply Unit (rectifier) was not effectively grounded. The rectifier was connected to the Federal Pacific Disconnect Switch through flexible conduit. Although there was a ground wire (grounded conductor) located inside of the disconnect switch, this ground wire was not connected to the rectifier.

(c) Anocut Room/Area - The single-phase 120-Volt (AC) electrical receptacles (outlets) located throughout the Anocut Room/Area were not effectively grounded. No ground wire (grounded conductor) was run through the conduit that was connected to the receptacles, and no grounded conductor was installed or attached to the inside of the receptacles. The electrical receptacles were also connected to the main electrical panel(s) in the Welding Area through non-conductive plastic (PVC) conduit.

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$56,000.00**

Safety Order and Notification of Penalty

Company Name: Twigg Corporation
Inspection Site: 659 East York Street, Martinsville, IN 46151-2549

Safety Order 2 Item 5 Type of Violation: **Knowing**

29 CFR 1910.332(b)(1): Employees were not trained in and familiar with the safety-related work practices required by 29 CFR 1910.331 through 29 CFR 1910.335 that pertained to their respective job assignments:

Facility Wide - Maintenance employees who performed electrical work such as, but not limited to circuit breaker and fuse changes, installing electrical conduit and changing/rewiring electrical equipment and installations (transformers, rectifiers, motors, etc.) were not provided electrical training on topics such as, but not limited to electrical safety-related work practices and the potential hazards associated with electrical work (including arc flash or arc blast).

Date By Which Violation Must be Abated: **01/25/2012**
Proposed Penalty: **$56,000.00**

Jeffry S. Carter
Deputy Commissioner, IOSHA

Indiana Department of Labor
Indiana Occupational Safety and Health Administration
402 West Washington Street
Room W195
Indianapolis, IN 46204-2751
Phone: 317/232-1979 Fax: 317/233-8509

INVOICE/DEBT COLLECTION NOTICE

Company Name: Twigg Corporation
Inspection Site: 659 East York Street, Martinsville, IN 46151-2549
Issuance Date: 12/28/2011

Summary of Penalties for Inspection Number 315051276

Safety Order 01, Serious	=	$86,100.00
Safety Order 02, Knowing	=	$280,000.00
Total Proposed Penalties		$366,100.00

Penalties are due within fifteen (15) working days of receipt of this notification unless contested. Make your check or money order payable to: "Indiana DOL/IOSHA". Please indicate IOSHA's Inspection Number (indicated above) on the remittance.

IOSHA does not agree to any restrictions or conditions or endorsements put on any check or money order for less than full amount due, and will cash the check or money order as if these restrictions, conditions, or endorsements do not exist.

Corrective action, taken by you for each alleged violation should be submitted to this office on or about the abatement dates indicated on the Safety Order and Notification of Penalty.

A work sheet has been provided to assist in providing the required abatement information. A completed copy of this work sheet should be posted at the worksite with the safety order(s).

Jeffry S. Carter
Deputy Commissioner, IOSHA

12/28/11
Date