



Pipeline Safety Division Investigation Report

Investigation regarding: Northern Indiana Public Service Company

UPPAC Database Record ID: 4850

Report Date: 8/16/2013

Investigator: Howard Friend

Damage Date: 5/22/2013 11:20:54 AM

Damage Address: Cline Ave, Gary, Lake

The Parties

Excavator: Northern Indiana Public Service Company

Address: 1460 East 15th Avenue, Gary, In 46402

Facility Owner: NIPSCO

Pipeline Facility

Facility Type: Natural Gas

Facility Function: Distribution

Type of Equipment: Backhoe/Trackhoe

Type of Work Performed: Electric

Damage Impact

Product Release: Yes

Ignition: No

Service Interruption: True

Number of Customers Affected: 2

Injuries: 0

Fatalities: 0

Repair Cost (if known): \$

Excavator Activities/Cause of Damage Information:

Excavator Request Locates: Yes
4/16/2013

Indiana 811 Ticket Number: 1304121631

Original Start Date:

Locate Instructions: THIS IS ON THE GARY AIRPORT PROPERTY - FROM THE INTERSECTION OF GARY AVE AND CLINE AVE - TRAVEL EAST ALONG GARY AVE FOR 1700 FEET AND THEN NORTH FOR 100 FEET - FROM THAT POINT LOCATE FOR 1300 FEET NORTHWEST ALONG THE CN TRACKS

Follow-Up Locate Instructions (if applicable):

Synopsis: Excavator struck and damaged an underground natural gas main while performing electric work.

Findings: Reported by Indiana 811; excavator did not respond to initial notice mailed 7/10/2013. The excavator has a valid locate request and the operator provided accurate locate markings. The side of the excavation caved in and during the process of removing the soil the gas line was damaged by the mechanized equipment.

Conclusion: There was a failure to maintain two (2) feet of clearance with mechanized equipment.

Violation: IC 8-1-26-20(a)(2) Failure to maintain two (2) feet clearance with mechanized equipment.



150 West Market Street, Suite 600
Indianapolis, IN 46204

August 12, 2013

Via Electronic Transmission – PipelineDamageCase@urc.in.gov

Pipeline Safety Division – Case No. 4850
Indiana Utility Regulatory Commission
101 West Washington Street, Suite 1500 East
Indianapolis, Indiana 46204

RE: Investigation Request for Information; Pipeline Division Case No. 4850

To Whom It May Concern:

Attached please find Northern Indiana Public Service Company's ("NIPSCO") written information, and supporting documentation, relating to the following event:

Date of Event: 5/22/2013

Event Location: 6001 / Industrial Hwy

City: Indianapolis

Facility Owner: Nipsco

Excavator: Northern Indiana Public Service Company

Other Party: N/A

Pipeline Division Case No. 4850

NIPSCO has reviewed its recovery and damage prevention files for this matter and has provided answers, when known, to the list of questions set forth in the Information Request. To the extent available, NIPSCO is also providing a copy of the Damage Information Report – Pipeline Safety Division previously submitted by NIPSCO to IURC Pipeline Safety as well as additional documentation relating to this Event Location.

Upon completion of the investigation, NIPSCO requests that it be provided with a copy of the Pipeline Division's Investigation Report with findings that will be forwarded to the Underground Plant Protection Advisory Committee. If there are any additional questions, please contact the undersigned.

Very truly yours,

A handwritten signature in black ink, appearing to read "Christopher Earle".

Christopher C. (Kit) Earle
NiSource Corporate Services - Legal
Phone: 317-684-4904
Fax: 317-684-4918
Email: cearle@nisource.com

IURC INFORMATION REQUEST	
Pipeline Safety Division Case No. 4850	
Date of Event	5/22/2013
Event Location	6001 / Industrial Hwy
Event City	Calumet
Facility Owner	Nipsco
Excavator	Northern Indiana Public Service Company
Date of IURC Information Request	July 12, 2013
THE PARTIES	
EXCAVATOR:	
BUSINESS NAME	
RESPONSIBLE PARTY PERSONAL NAME	NIPSCO
TITLE (IF ANY)	
ADDRESS	1300 Dakota St
CITY/ STATE/ZIP	Gary, IN 46403
PREFERRED TELEPHONE	219 713 1989
CELL PHONE TELEPHONE	
EMAIL ADDRESS	
FACILITY INFORMATION - OWNER/OPERATOR OF UTILITY LINE:	
BUSINESS NAME	NORTHERN INDIANA PUBLIC SERVICE COMPANY
RESPONSIBLE PARTY PERSONAL NAME	LUKE SELKING
TITLE	
ADDRESS	1501 HALE AVENUE
CITY/STATE/ZIP	FORT WAYNE, IN 46802
PREFERRED TELEPHONE	260/439-1290
SECONDARY TELEPHONE	
EMAIL ADDRESS	LSELKING@NISOURCE.COM
LOCATOR SERVICE INFORMATION	
BUSINESS NAME	USIC
RESPONSIBLE PARTY PERSONAL NAME	Morgan Thompson
TITLE (IF ANY)	Claims Coordinator
ADDRESS	9045 N. River Rd. Suite 300
CITY/ STATE/ZIP	Indianapolis, IN 46240
PREFERRED TELEPHONE	1-317-538-7301
CELL PHONE TELEPHONE	Same
EMAIL ADDRESS	morganthompson@usicinc.com
OTHER (WITNESS, POLICE, FIRE, OTHER) INFORMATION	
PERSONAL CONTACT	
BUSINESS/ORGANIZATION NAME	
TITLE (IF ANY)	

ADDRESS	
CITY/ STATE/ZIP	
PREFERRED TELEPHONE	
CELL PHONE TELEPHONE	
EMAIL ADDRESS	
UTILITY LINE IMPACT	
LOCATION OF DAMAGE	
ADDRESS	Cline Avenue Exit Toll Booth
CITY/STATE/ZIP	Gary, IN, 46403
NEAREST INTERSECTION	Chicago Ave
PRODUCT TYPE (Select One)	
NATURAL GAS	X
LIQUID PIPELINE	
UNKNOWN/OTHER	
FACILITY TYPE (Select One)	
DISTRIBUTION	X
GATHERING	
SERVICE/DROP	
TRANSMISSION	
UNKNOWN/OTHER	
SIZE (DIAMETER/ETC.)	2"
PRESSURE (PSIG/INCHES)	
INTERRUPTION IN SERVICE (YES/NO)	Yes
NUMBER OF CUSTOMERS AFFECTED	2
EVACUATION (YES/NO)	No
IF YES, HOW MANY EVACUATED	
REPAIR COST (IF KNOWN) (\$)	
CAUSE OF DAMAGE INFORMATION:	
TYPE OF EQUIPMENT (Select One)	
Auger	
Backhoe/Trackhoe	X
Boring/Drilling	
Directional Drilling	
Explosives	
Farm Equipment	
Grader/Scraper	
Hand Tools	
Milling Equipment	
Probing Device	

Trancher	
Vacuum Equipment	
Unknown/Other	
TYPE OF WORK PERFORMED (Select One)	
Agriculture	
Cable TV	
Curb/Sidewalk	
Bldg. Construction	
Bldg. Demolition	
Drainage	
Driveway	
Electric	X
Engineering/Surveying	
Fencing	
Grading	
Irrigation	
Landscaping	
Liquid Pipeline	
Milling	
Natural Gas	
Pole	
Public Transit Authority	
Railroad Maintenance	
Road Work	
Sewer (Sanitary/Storm)	
Site Development	
Steam	
Storm Drain/Culvert	
Street Light	
Telecommunications	
Traffic Signal	
Traffic Sign	
Water	
Waterway Improvement	
Unknown/Other	
RELEASE OF PRODUCT (YES/NO)	Yes
IGNITION AND/OR FIRE (YES/NO)	No
EXCAVATOR NOTIFY 811 (YES/NO)	Yes 1305221903
LOCATE INFORMATION:	
EXCAVATOR REQUEST LOCATE (YES/NO)	Yes

INDIANA 811 LOCATE TICKET NUMBER	1305131798
LOCATE MARKS VISIBLE (YES/NO)	Yes
LOCATE MARKS CORRECT (YES/NO)	Yes
EXCAVATOR "WHITE LINED" (YES/NO)	No
MAPS USED TO MARK FACILITIES (YES/NO)	Yes
OPERATOR EMPLOYEES ON-SITE DURING EXCAVATION (YES/NO)	No
INCIDENT IMPACT INFORMATION	
NUMBER OF OUTPATIENT TREATED	0
NUMBER OF INPATIENT TREATED	0
NUMBER OF FATALITIES	0
FIRE DEPARTMENT RESPONSE (YES/NO)	N/A
POLICE DEPARTMENT RESPONSE (YES/NO)	N/A
AMBULANCE RESPONSE (YES/NO)	N/A
ADDITIONAL INFORMATION/COMMENTS	
<p>Failure to use hand tools where required NIPSCO Emergency Repair Ticket Number: N/A</p>	

1611 Industrial Hwy. Gary, IN

- Original Locate # 1305131798
- Emergency Locate # N/A
- Tracking # 01820130521011
- Damage # 1305221903
- Time Reported 11:00 AM
- Crew on Site 2:35 PM
- Gas Stopped
- 2" High Volume Tee pulled from main
- Gas Restored 7:30 PM

INCIDENT ALERT/ ROOT CAUSE ANALAYISS

Department: Gary Construction Line

Address: 1611 Industrial Ave. Hammond, IN

Damage Facility: 2"High Volume Tee **Date/Time of Incident:** 5/21/2013/2:20pm

Supervisor: Jimmy Foxx Electric Line, Matt Gray Gas C/M

Description of Incident: NIPSCO Electric Line Department was installing a buried electric service and pedestal to the location. The locates on site were accurate. The Facility had been pot holed according to procedure. Soil type was class C and had collapsed back over the main and tee Line crew struck the 2" High Volume Tee with a backhoe while removing the soil.

• **Causal Factors:**

1. Employee was attempting to install new electric line service and pedestal.
2. Crew did not review proper digging procedures prior to excavation.
3. Crew leader located the 3" main and 2" tee and pot holed according to procedure.
4. Crew leader had knowledge of the 2" tee but did not communicate it's location to the crew prior to leaving the site.
5. Type C soil collapsed and covered the facility.
6. Employee was qualified on equipment.
7. Vacuum Trucks were on site.

Root Cause;

1. Excavator negligence excavated mechanized equipment within tolerance zone.
2. Crew failed on several levels to communicate.

Corrective Actions:

1. Advised employee of the 811 laws and the best practices for safe digging and of the importance of observing the tolerance zone.
2. The importance of communicating safe digging practices in morning briefings and the importance of crew leaders to convey all known hazards to the crews prior leaving the job site or working area.

Fact Based Investigation Report

Notification ID 01820130521011
Damage Date 05/21/2013 00:00
Notified By MARCIA KING (Facility Owner)
Damage Address GARY RD X INDIANA TOLL (Industrial) LAKE COUNTY
GARY , IN
District Northern Indiana
Notification Date 05/21/2013 16:31

Damaged Customer NIPSCO

Investigation Date From 05/21/2013 16:15:00 **To** 05/21/2013 17:00:00

Excavator Involved NIPSCO
Type of Excavation Boring Electric

Orig. Locate Request 1304230614 **Start Date**
Type of Ticket **Locate Req. Info** N/A

Damage Request # M89840002 **Start Date** 05/21/2013 17:35

Pictures Taken By Bob Sqzert **Date** 05/21/2013 16:30
Photography Type Digital **Frame #** 1

Investigator Emp. # 122566 **Investigator Name** Bob Sqzert
Based on your investigation, is further investigation needed? No

Fact Based Investigation Customer Information
Facility Description Low Profile **Facility ID** Gas Main
Locator Name & EMP # Sqzert Robert - 122566 **Locator Not Known**

Investigation Findings
Facility Marked Accurately
Other Notes

Investigation Methods
Investigation Results Verified By Utility Representative
Visual, Facility Exposed At Time Of Investigation

Investigator Statement/Causal Factors
A Nipsco electric crew was on the airport property boring in an electric line when they hit a plastic gas main. There were markings on the gas and were confirmed as accurate by Nipsco. While repairs were being made to the gas main, a piece of equipment fell on the line and caused a second hole in the same line.
Names of Utility Representatives Contacted or on Site and Statement
Crews from Nipsco construction and Nipsco investigators including Tom Buher from damage prevention were all on site and verified that USIC is not at fault due to markings being visible and accurate.
Names of Excavator's Representatives Contacted or on Site and Statement
Tom Buher was going to put in his report that it was excavation negligence on Nipsco electric. USIC is not at fault for any of this.
Other individuals on site
N/A

Were any markings visible on the damage site upon arrival?	Yes
Were any other indicators of facility present in the area?	Yes
Was the excavation within the tolerance zone of marks?	Yes
Extent of facility damage	puncture of gas main
Replacement Footage	N/A
Was contractor assistance required? If yes, who?	Yes Nipsco
What contractor equipment was used?	Mini Backhoe
Is the facility shown on the utility records?	Yes
If yes, list record numbers	WMGIS Nipsco/Gary Prints

NIPSCO 00566 IUPPSa 05/22/2013 11:20:59 1305221903-00A EMER DAMG GRID

DAMAGE DAMAGE

Ticket : 1305221903 Date: 05/22/2013 Time: 11:15 Oper: LPORTER Chan:046

State: IN Cnty: LAKE Twp: CALUMET
Cityname: GARY Inside: Y Near: N
Subdivision:

Address : 6001
Street : INDUSTRIAL HWY
Cross 1 : CHICAGO AVE Within 1/4 mile: N
Location: THIS IS ON THE GARY AIRPORT PROPERTY - FROM THE INTERSECTION OF
GARY
AVE AND CLINE AVE - TRAVEL EAST ALONG GARY AVE FOR 1700 FEET AND THEN NORTH
FOR
100 FEET - FROM THAT POINT LOCATE FOR 1300 FEET NORTHWEST ALONG THE CN TRACKS
:
Grids : 4137C8725A 4137C8725B 4137C8725C 4137D8725A 4137D8725B
Grids : 4137D8725C
Boundary: n 41.622439 s 41.618108 w -87.430615 e -87.422285

Work type : ELECTRIC/GAS INSTALL
Done for : NIPSCO
Start date: 05/22/2013 Time: 11:15 Hours notice: 0/000 Priority: EMER
Ug/Oh/Both: U Blasting: N Boring: N Railroad: N Emergency: Y
Duration : 3 WEEKS Depth: 3 FEET

Company : NORTHERN INDIANA PUBLIC SERVICE COMPANY Type: MEMB
Co addr : 1460 EAST 15TH AVENUE
City : GARY State: IN Zip: 46402
Caller : BILLY SIMMONS Phone: (219)886-5772
Contact : BILLY SIMMONS - OFFICE Phone:
BestTime:
Mobile : (219)886-5772
Fax : (219)886-5553
Email : BLSIMMONS@NISOURCE.COM

Remarks : All tickets are taken and processed on Eastern Daylight Time
PER ANGELA - HIT A NIPSCO GAS LINE - GAS LINE NOT BLOWING - CREW NO LONGER ON
SITE - - DIGGING IN UNKNOWN AREA - LINE IS 2 INCH PLASTIC LINE - PREVIOUS
TICKET 1304121631

Will you be white-lining the dig site area? NO
:

Submitted date: 05/22/2013 Time: 11:15
Members: BE COMCN IB ID2227 ID3453 ID5845 ID8541 NIPSCO SM

NIPSCO 00592 IUPPSa 04/12/2013 11:59:47 1304121631-00A NORM NEW GRID

NORMAL NOTICE

Ticket : 1304121631 Date: 04/12/2013 Time: 11:46 Oper: BLIEVERTZ Chan:025

State: IN Cnty: LAKE Twp: CALUMET
Cityname: GARY Inside: Y Near: N
Subdivision:

Address : 6001
Street : INDUSTRIAL HWY
Cross 1 : CHICAGO AVE Within 1/4 mile: N
Location: THIS IS ON THE GARY AIRPORT PROPERTY - FROM THE INTERSECTION OF
GARY
AVE AND CLINE AVE - TRAVEL EAST ALONG GARY AVE FOR 1700 FEET AND THEN NORTH
FOR
100 FEET - FROM THAT POINT LOCATE FOR 1300 FEET NORTHWEST ALONG THE CN TRACKS
:
Grids : 4137C8725A 4137C8725B 4137C8725C 4137D8725A 4137D8725B
Grids : 4137D8725C
Boundary: n 41.622439 s 41.618108 w -87.430615 e -87.422285

Work type : ELECTRIC/GAS INSTALL
Done for : NIPSCO
Start date: 04/16/2013 Time: 12:00 Hours notice: 96/048 Priority: NORM
Ug/Oh/Both: U Blasting: N Boring: N Railroad: N Emergency: N
Duration : 3 WEEKS Depth: 3 FEET

Company : NORTHERN INDIANA PUBLIC SERVICE COMPANY Type: MEMB
Co addr : 1460 EAST 15TH AVENUE
City : GARY State: IN Zip: 46402
Caller : BILLY SIMMONS Phone: (219)886-5772
Contact : BILLY SIMMONS - OFFICE Phone:
BestTime:
Mobile : (219)886-5772
Fax : (219)886-5553
Email : BLSIMMONS@NISOURCE.COM

Remarks : All tickets are taken and processed on Eastern Daylight Time
Will you be white-lining the dig site area? NO
:

Submitted date: 04/12/2013 Time: 11:46
Members: BE COMCN IB ID2227 ID3453 ID5845 ID8541 NIPSCO SM

NORTHERN INDIANA PUBLIC SERVICE COMPANY
FACILITY DAMAGE REPORT

** COMPLETE FORM FOR ALL DAMAGES TO NIPSCO FACILITIES **

REPORTING OPERATING AREA Leary LDA MAXIMO WO # 738602
OPERATING AREA CONTACT Mark Greag JOB ORDER # SA907-15
TRACKING NUMBER _____ LOCATE REF # 1305033346
Locate Performed By: _____

DATE AND TIME OF ACCIDENT 05-21-2013 A M DATE OF REPORT 5-21
PLACE OF DAMAGE (INCLUDE CITY) 611 Industrial Blvd

DAMAGE WAS TO:
ELECTRIC - POLE / TRANSFORMER: # _____ SIZE _____ YEAR INSTALLED _____ BROKEN YES () NO ()
OTHER (DESCRIBE) _____

GAS: SERVICE () MAIN () SIZE 7" MATERIAL: PLASTIC () STEEL () METER () REG STATION () STUB ()
OTHER (DESCRIBE) High Volume
DEPTH OF FACILITY (inches) 5'6" PRESSURE (PSI) 60 Lbs.
RELEASE OF GAS: YES (X) NO () IGNITION OF GAS: YES () NO (X) EVACUATION REQUIRED: YES () NO ()
INTERRUPTION OF SERVICE: YES (X) NO () NUMBER OF CUSTOMERS LOST: 2
DURATION OF INTERRUPTION: TIME REPORTED 11 AM TIME SHUT OFF 3 pm TIME RESTORED 7:30 pm
DIAMETER/MEASUREMENT OF HOLE IN GAS FACILITY: 8x8

LOCATE MARKS ON SITE: YES (X) DISTANCE BETWEEN FACILITY AND LOCATE MARKS NONE NO ()
HOW LOCATED: PAINT () FLAGS () BOTH () WHITE LINED ()

PARTY THAT CAUSED DAMAGES (NAME) NipSCO (Stanger)
ADDRESS OF PARTY (INCLUDE CITY) 1300 Dakota Gary IN

WHO WAS IN CHARGE OF THE WORK SITE AT TIME OF DAMAGE Mark Shebel
WITNESS NAME AND ADDRESS _____

WITNESS REMARKS _____

AGENCIES NOTIFIED / ONSITE: POLICE () AGENCY _____ REPORT # _____
FIRE () AGENCY _____ REPORT # _____
OTHER (X) 911 Any Injuries? () YES # _____ (X) NO

PHOTOS TAKEN: YES () NO (X) TAKEN BY: _____ (ATTACH PHOTOS TO REPORT)
MEDIA ON SITE YES () NO (X)

WORK IN PROGRESS WHEN FACILITY DAMAGED - CHECK APPROPRIATE CHOICE BELOW
() AGRICULTURE/FARMING () CABLE TV () CURB/SIDEWALK
() BLDG CONSTRUCTION () DEMOLITION () DRAINAGE
() DRIVEWAY () ELECTRIC (X) SURVEYING () TELECOMMUNICATIONS
() FENCING () GRADING () IRRIGATION () WATER
() LANDSCAPING () PIPELINE () MILLING () DRAINS/CULVERTS
() POLE/SIGN POST () ROAD WORK () SEWER () MOWING () OTHER

TYPE OF EQUIPMENT USED - CHECK APPROPRIATE CHOICE BELOW
() AUGER () HAND TOOLS (X) BACKHOE/TRACKHOE
() MILLING EQUIPMENT () PROBING DEVICE () BORING / DRILLING
() EXPLOSIVES () TRENCHER () FARM EQUIPMENT
() VACCUUM EQUIPMENT () GRADER () OTHER ()

REASON DAMAGE OCCURRED - CHECK APPROPRIATE CHOICE BELOW
() AUTOMOTIVE ACCIDENT () EXCAVATING BEFORE LOCATES DUE (X) CARELESS MACHINE OPERATOR
() NO NOTIFICATION () MARKS DISTURBED () STUB () OTHER

SEE REVERSE SIDE FOR COMMENTS AND DIAGRAM

COMMENTS :

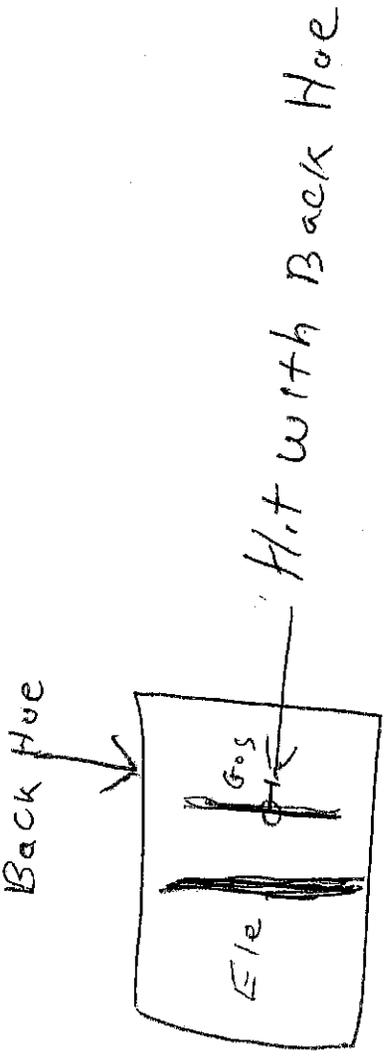
PERSON PREPARING REPORT Jim Fox

FIELD SUPERVISOR Jim Fox

FIELD MANAGER _____

- ORIGINAL REPORT AND SUPPORTING INFORMATION IS TO BE SENT TO FACILITY DAMAGE RECOVERY
- COPY OF REPORT IS TO BE SENT TO DAMAGE PREVENTION

SKETCH: - Show position of all pertinent information



FOR OFFICE USE ONLY:

- DID EXCAVATION OCCUR BEFORE LOCATES WERE DUE YES NO
- NO IN 811 LOCATE CALLED IN YES NO
- DAMAGE CAUSED FROM EXCAVATION WITHIN 24" ZONE YES NO
- EXPIRED LOCATE YES NO
- WAS WHITE LINING INDICATED ON LOCATE REQUEST YES NO

COMPLETED BY: _____ DATE: _____

NAME	Employee ID	POSITION
William G. Sudey	126566	LEADER DAMAGE PREVENTION
TOMMY BUHER	117357	DAMAGE PREVENT FIELD COORD.
Jim Fox	124045	Const. SUPER
Nicholas ERICK	122120	Apprentice LINE
MARK SIEBEL	122439	Lineman
Sam Tanager	123645	Apprentice Line
KORSH VAN DUSEN	078039	LINEMAN
BEN ANDERSON	075233	SAFETY (LINE)
Self Peter	122040	CONST GAS
Nathan Seiler	125414	" "