Principal Investigators: Joe Mataich and Chris Taylor
Region Director: Wayne T. Lemoi
Date of Report: August 31, 2011
Subject: Failure Investigation Report – Dixie Pipeline Company 8-inch Propane Pipeline Release

Operator, Location, & Consequences

Date of Failure: July 5, 2010
Commodity Released: Propane (HVL)
City/County & State: Thomson, McDuffie County, Georgia
OpID & Operator Name: 3445 & Dixie Pipeline Company
Unit # & Unit Name: 11082 & SC, NC, GA
SMART Activity #: 130575
Milepost / Location: Milepost 817.11 - off of Stagecoach Road (33.53667N, 82.53486W)
Type of Failure: Leak due to third party excavation damage
Fatalities: One (1)
Injuries: One (1)
Description of area impacted: The propane leak, explosion and fire impacted portions of an approximately 20 acre private property that included a pond, two mobile homes, a storage building, one passenger vehicle (Jeep) and one bulldozer, all surrounded by a wooded area.
Property Damage: Operator cost only, $524,275
Executive Summary

On Monday, July 5, 2010, at approximately 10:40 am Eastern Daylight Savings Time (EDT), a rupture occurred on the Dixie Pipeline Company (Dixie) 8-inch diameter propane pipeline at milepost (MP) 817.11 in Thomson, McDuffie County, Georgia. The release occurred at 390 Stagecoach Road (Appendix A), which was a 20-acre property with a pond, two mobile homes, and a storage building all surrounded by a wooded area. One passenger car (a Jeep) was on the premises at the time of the rupture.

The pipeline rupture occurred when the 390 Stagecoach Road property owner, Paul McCorkle, struck the 8-inch propane pipeline with his bulldozer while grading a dirt road along the edge of the pond. The strike punctured the pipe and created a 9-inch (longitudinal) by 5-inch (at its widest point) hole that allowed propane to escape and form a vapor cloud over the pond and lower lying areas of the property. The released propane caused injury to Paul McCorkle that later required medical attention.

Immediately after striking the pipe, Paul McCorkle left the accident scene. He went to his nearby residence where he called 911 at 10:45 am to report he had struck the Dixie pipeline with a bulldozer. Paul McCorkle’s son, Jason McCorkle, who lived in a mobile home on the property also called 911 from his cellular phone (within 60 seconds of his father’s call) to report the ruptured pipeline. Jason McCorkle was standing outside of his mobile home approximately 150 yards north of the rupture when he made his call. During Jason McCorkle’s 911 call, the propane ignited and exploded, killing the young man. The ensuing fire destroyed one of the two mobile homes on the property, the storage building, the Jeep and the bulldozer. The fire also ignited several brush fires within the surrounding wooded area.

At approximately 10:40 am, five minutes before Paul McCorkle’s 911 call, Dixie’s Supervisory Control and Data Acquisition (SCADA) system received two “Pressmon” alarms due to a rapid pressure decrease in the pipeline between the Norwood Pump Station (MP 806.39) and the Appling Pump Station (MP 831.76). These pump stations were located immediately upstream and downstream of the rupture location (MP 817.11). At approximately 10:46 am, Dixie’s pipeline controllers shut down the pumps at several upstream pump stations and opened an upstream spur to decrease flow to the rupture area; a few minutes later the controllers shut motor operated valves to isolate the Norwood to Appling pipeline segment.

At 10:56 am, a Stagecoach Road resident who lived east of the accident notified Dixie of a possible pipeline explosion and provided Dixie with the accident location. Through coordination with the Stagecoach Road resident, the McDuffie County Sheriff’s office and the McDuffie County Fire Service, Dixie was able to secure the closure of the manual shut-off valves at Ridge Road and Washington Road, further isolating (i.e. reducing in length) the affected pipeline segment.

The McDuffie County Fire Service arrived at the accident scene at 10:56 am and received mutual aid from surrounding county fire departments as well as the Georgia Forestry Commission to assist in controlling the structure and woodland/brush fires.

Upon arriving at the accident scene, Dixie advised the McDuffie County Fire Service to allow the propane to continue to burn at the rupture site. After the McDuffie County Fire Service gained complete control of the woodland/brush and structure fires, they directed their efforts to monitoring the immediate area around the large flame at the propane leak for secondary fires. On July 6, the fire went out due to lack of fuel. At that time, PHMSA, Dixie, and Georgia State agencies began their respective accident investigations.

The cause of the rupture was mechanical damage cause by a third party. Paul McCorkle, the bulldozer operator did not call the Georgia Utilities Protection Center (GA 811) to have the pipeline or any other utilities located prior to his mechanized digging, which is required by Georgia State law.
System Details

Dixie Pipeline Company (Dixie) is a subsidiary of Enterprise Products Partners, L.P. (Enterprise), and operates within Enterprise’s Natural Gas Liquids (NGL) Pipeline & Services business segment, which includes approximately 16,900 miles of propane and propane/ethane blend pipelines. Dixie operates approximately 1,306 miles of combined propane pipeline (mainline), storage, and terminal facilities originating in Mont Belvieu, Texas and terminating in Apex, North Carolina. Approximately 1,306 miles of the combine mileage is telescoping mainline pipeline and has the following breakdown:

— 10-inch from Mont Belvieu, Texas to Erwinville, Louisiana; increases to 12-inch
— 12-inch from Erwinville, Louisiana to Opelika, Alabama; decreases to 10-inch
— 10-inch from Opelika, Alabama to Milner, Georgia; decreases to 8-inch
— 8-inch from Milner, Georgia to Cheraw, South Carolina; decreases to 6-inch
— 6-inch from Cheraw, South Carolina to Apex, North Carolina

The failure occurred on the 8-inch segment at MP 817.11 between the Norwood Pump Station (MP 806.39) and the Appling Pump Station (MP 831.76). The failure did not occur in a high consequence area (HCA). The maximum operating pressure (MOP) of the segment between Appling and Norwood Pump Stations was 1,140 psig. The discharge pressure at the Norwood Pump Station, 10¾ miles upstream of the accident, was approximately 847 psig with a flowrate of 1,596 barrels/hour. The pressure at the site of the accident was approximately 749 psig, which was 391 psig psig below the MOP.

The failed pipe had the following specifications:

— Manufacturer and Year: Stupp Corporation, manufactured in 1961
— Manufacturing Specification: API 5L
— Wall thickness: 0.188-inch
— Grade: X52
— Longitudinal seam: High frequency electric resistance welded (HF ERW)
— Coating: Coal Tar enamel, tar, glass and felt wrapped (TGF)

Events Leading up to the Failure

According to Dixie’s records¹, a representative from Dixie met with Paul McCorkle on September 20, 2005, regarding work McCorkle was doing on the Dixie pipeline right-of-way (ROW) on McCorkle’s property at MP 817.1. During this face-to-face meeting, Dixie’s representative explained to Paul McCorkle the importance of contacting Dixie prior to working along the pipeline ROW and that no digging was allowed without a Dixie representative or without McCorkle making a “one-call” prior to excavating. The report and meeting are described in further detail in the Investigation Findings & Contributing Factors section of this report.

There is no record of Paul McCorkle having made a “one-call,” i.e. calling the Georgia Utilities Protection Center (Georgia 811) prior to undertaking his earthwork on July 5, 2010, along the Dixie ROW.

Emergency Response

Dixie Control Center Response

Dixie’s pipeline controllers in its Houston Control Center noticed a potential pipeline system upset at approximately 10:40 am on July 5, 2010, when they received two “Pressmon” alarms on the Supervisory

¹ Dixie Pipeline Company Contact Report dated September 20, 2005
Control and Data Acquisition (SCADA) system. The SCADA system generated “Pressmon” alarms when the pipeline pressure decreased by a predefined percentage between two pressure transmitters on the pipeline segment. The “Pressmon” alarms were Dixie’s first indication that something was awry within the following areas:

— Norwood Pump Station (MP 806.39) to Appling Pump Station (MP 831.76) pipeline segment and
— Appling Pump Station (MP 831.76) to pressure transmitter D842 (MP 842)

At approximately 10:47 am, 6 minutes after receiving the Pressmon alarms, Dixie’s pipeline controllers stopped the pumps at the Norwood, Eatonton, Trenton, and Milner Pump Stations (upstream of the impacted segment) and opened up the 6-inch Opelika Spur (also upstream of the impacted segment) for continued propane flow to the Albany and Alma (Georgia) terminals. These actions helped reduce the flow and pressure at the site of the release.

At approximately 10:52:53, Dixie’s pipeline controllers started isolating the Norwood to Appling segment by shutting the upstream motor operated valve at MP 776.5 and the downstream motor operated valve at MP 842.24.

About three minutes later, at approximately 10:56 am, the Dixie Control Center received notification of a possible pipeline explosion via telephone from a Stagecoach Road resident who heard and felt an explosion and observed a mushroom cloud of fire and smoke rising over the tree line west of his residence. The caller provided the accident location to the Dixie Control Center personnel, who then notified the appropriate company emergency response personnel, including the area manager, about the details of the system shutdown.

After receiving the approximate failure location information from the Stagecoach Road resident, Dixie was able to further isolate the impacted segment. Dixie personnel, while traveling to the accident scene, provided over-the-phone valve closure instructions to facilitate the closure of an upstream valve at Ridge Road (MP 811.44) and a downstream valve at Washington Road (MP 818.85). These manually operated valves were closed by the Warren County (Georgia) Fire Department and the City of Thomson Natural Gas Department, respectively. These valve closures reduced the length of the shutdown segment and thus the time required to burn off the propane in the line.

At 12:01 pm EST, Dixie notified the National Response Center (NRC) of the accident (Appendix B).

**Local emergency Response**

According to the time stamp on the Emergency 911 call audio file furnished to PHMSA by McDuffie County 911 Communications Department, Paul McCorkle made a 911 call at 10:45 am July 5, 2010, reporting he had just hit the Dixie pipeline with a bulldozer. Paul McCorkle’s son, Jason McCorkle, who resided on the property at 390 Stagecoach Road, also made a 911 call to report the ruptured pipeline within 60 seconds of his father’s call. Jason McCorkle made his emergency call from his cellular phone while standing outside of his mobile home, approximately 150 yards north of the rupture. Jason McCorkle’s 911 call ended when the propane exploded killing him. Jason McCorkle died as the result of smoke, soot, and super-heated gas inhalation according to the McDuffie County Coroner’s report, dated July 6, 2010.

The McDuffie County Fire Service, Station #2 Washington Heights received an alarm at 10:48 am July 5, 2010, and arrived at the scene at 10:56 am. A total of six fire engines responded to the accident scene on Stagecoach Road, with 75 fire personnel responding.

Upon arriving to the accident scene, McDuffie County Fire Service found portions of the approximately 20 acres burned and McCorkle’s bulldozer situated on the Dixie pipeline in flames (Appendix A). A
double-wide mobile home and a small storage building were on fire as well as scattered brush fires. The McDuffie County Fire Service received mutual aid from surrounding county fire departments to control the structure fires and to assist the Georgia Forestry Commission in controlling the woodland/brush fires.

In addition to the firefighting staff, personnel from the McDuffie County Coroner’s Office, Georgia State Fire Marshall’s Office, McDuffie County Sheriff’s Department, Georgia Bureau of Investigation (GBI), Dixie Pipeline Company, and the Pipeline and Hazardous Materials Safety Administration (PHMSA) were on scene. The McDuffie County Sheriff’s Office and Georgia State Patrol secured the accident site.

Two days after the accident, on July 7, 2010, at approximately 10:30 am, the McDuffie County Fire Chief “relieved” all emergency responders due to a “zero threat” of secondary fires in the area. Dixie personnel, Dixie’s contract safety personnel, and McDuffie County Sheriff’s Deputies remained onsite to maintain security around the premises and at the leak and excavation areas.

The Georgia State Fire Marshall concluded the bulldozer was the ignition source for the fire and Jason McCorkle died as the result of an accident and not foul play. The GBI concurred with these results.

Summary of Restart Plan and Return-to-Service, Including Preliminary Safety Measures

Pipeline Repair

Dixie made an emergency “one-call” to the Georgia Utilities Protection Center (Georgia 811) to have utilities near the failed section of 8-inch pipeline located and marked in preparation for the post-accident excavation, pipe inspection and repair plan development. On July 6, 2010, Georgia 811 notified Dixie that all utilities had been cleared or marked; subsequently Dixie informed PHMSA it was ready to proceed with the pipeline repair.

On July 7, 2010, Dixie submitted the 8-in propane pipeline repair plan to PHMSA. The plan included an overnight nitrogen purge of the pipeline from Washington Road (MP 818.85) to Ridge Road (MP 811.44) and the use of a flare at Ridge Road to burn off the propane vapors being purged from the pipeline. To facilitate the pipeline purging, Dixie installed a temporary Pipe Line Development Company (PLIDCO) clamp at the rupture location to contain the nitrogen during the purging operation.

PHMSA approved the repair plan on July 7, 2010, but required Dixie to address the following concerns before the overnight pipeline purge.

— Notify residences near the work activity at both locations that light plants, noise, and intermittent flaring was possible
— Notify local emergency responders of the work being done and locations
— Alert the McDuffie County 911 Communications of possible calls from the Ridge Rd area (MP 811.44) due to possible flaring
— Notify local news media of the purging activity

Dixie purged the pipeline section from 10:00 pm July 7 until approximately 6:20 am July 8, 2010. They proceeded to cut out and replace 25 feet of the 8-inch pipe. Through visual assessment, Dixie determined the 25-ft cut-out was a conservative cut-out length based on the extent of fire-damaged coal tar coating observed upstream and downstream of the rupture point.

The newly installed pipe had the following specifications:

— Manufacturer and Year: Tex-Tube Company in April 29, 2010
Return to Service

Dixie successfully completed the pipeline repair on July 8, 2010, and submitted the pipeline refill plan to PHMSA for review on July 9, 2010. PHMSA approved the refill plan with no conditions. On July 10, 2010, Dixie successfully refilled the pipeline section from MP 811.44 to MP 818.85 and returned the pipeline to service the same day.

Investigation Findings & Contributing Factors

Evidence from the field investigation by PHMSA and Dixie indicated the pipeline accident occurred due to mechanical damage caused by a third party. The Georgia Utilities Protection Center confirmed that Paul McCorkle had not made a “one-call” prior to excavating over the pipeline with his bulldozer. Georgia State law2 requires all excavators to make a “one-call” before digging to allow utilities to locate and mark their underground facilities.

The Georgia law reads as follows: §25-9-6 Prerequisites to blasting or excavating; marking of sites of the Georgia Utility Facility Protection Act,

“(a) No person shall commence, perform, or engage in blasting or in excavating with mechanized excavating equipment on any tract or parcel of land in any county in this state unless and until the person planning the blasting or excavating has given 48 hours’ notice by submitting a locate request to the UPC, beginning the next business day after such notice is provided, excluding hours during days other than business days. Any person performing excavation is responsible for being aware of all information timely entered into the PRIS prior to the commencement of excavation...”

Because Paul McCorkle did not make a “one-call” prior to his July 5, 2010, excavation work, no opportunity was provided to Dixie to mark the exact location of the propane pipeline or to have representatives on site during the excavation work.

PHMSA reviewed the Dixie Pipeline Company Contact Report (Contact Report) dated September 20, 2005 (Appendix C), which documented a land clearing operation on the Dixie pipeline ROW by Paul McCorkle, as discovered by Dixie’s aerial patrol pilot. The document also recorded a subsequent meeting between Dixie personnel and Paul McCorkle subsequent to the discovery of the work. The unedited Contact Report narrative copied below was written by a Dixie Pipeline representative. It referenced a land-clearing operation being performed by Paul McCorkle on Dixie’s 8-inch propane pipeline ROW at MP 817.1 in September 2005. This was essentially the July 5, 2010, accident location:

“Patrol plane called in a trackhoe parked on the ROW at milepost 817.1. I rode down and found the trackhoe. I finally got in touch with the owner, Paul McCorkle. He was clearing out some of his land around the ROW. I explained to him about the importance of contacting us if he is to do any work on or near the ROW. I also told him there is no digging allowed on the ROW without a DPC representative, or a Georgia one call system. He agreed.”

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2 TITLE 25. FIRE PROTECTION AND SAFETY, CHAPTER 9. BLASTING OR EXCAVATING NEAR UTILITY FACILITIES
Conclusions

On September 5, 2005, Dixie met with Paul McCorkle to inform him not to dig without notifying Dixie and without making a “one call” to the Georgia Utilities Protection Center (now Georgia 811) to allow utilities to mark their underground facilities in the area.

Prior to excavating along the Dixie pipeline on July 5, 2010, Paul McCorkle had not made a “one-call” and had not contacted Dixie Pipeline Company. On July 5, 2010, Paul McCorkle struck the Dixie 8-inch propane pipeline with his bulldozer, creating a 9-inch by 5-inch tear in the pipe that allowed pressurized propane to vent to the atmosphere.

On July 5, 2010, the vented propane ignited and fatally injured Jason McCorkle who died as a result of smoke, soot, and super-heated gas inhalation.
Appendices

A Map and Photographs
B NRC Report Number
C Dixie Pipeline Company Contact Report
Appendix A  Maps and Photographs

Location Map - Dixie 8-inch Propane Pipeline Accident
The blue marker indicates the exact accident location
The view upon entering the 390 Stagecoach Road property on July 5, 2010

Storage building on fire with the propane pipeline fire raging in the background
Appendix A  Maps and Photographs

Doublewide mobile home on fire

Jeep smoldering with the propane pipeline fire in the background
Brush fires were prevalent within the wooded area of the 20-acre property.

The propane fire totally engulfed the bulldozer and burned the surrounding trees.
The propane fire intensity diminished due to closed valves at Ridge Road and Washington Road.

Looking upstream: Dixie’s right-of-way width was apparent in this photo.
Appendix A  Maps and Photographs

The fire totally destroyed the Jeep

The fire totally destroyed the storage building and the mobile home (on left)
Appendix A  Maps and Photographs

Additional photo of destroyed mobile home

Looking upstream: Paul McCorkle’s bulldozer on the Dixie 8-inch propane pipeline right-of-way
Appendix A  Maps and Photographs

Paul McCorkle’s bulldozer at the accident location

Bulldozer blade at rest on the Dixie 8-inch pipeline
The bulldozer strike created a 9-inch (longitudinal) by 5-inch (circumferential) tear in the 8-inch pipe.

Evidence of a melted pipeline marker (from fire) immediately downstream of the bulldozer.
Photo above zoomed in: The square hole with yellow paint on the edge indicated the location of the pipeline marker post before the fire; the fire appeared to have melted the metal sign(s). The two bolts used to connect the sign(s) to the post remained intact.
Aerial view of the 390 Stagecoach Road property after the propane fire

Aerial photo above zoomed in: 390 Stagecoach Road property after the propane fire
Aerial photo of bulldozer at the accident location and the graded road on the Dixie 8-inch propane pipeline right-of-way
Incident Report # 946588

INCIDENT DESCRIPTION

*Report taken at 12:01 on 05-JUL-10
Incident Type: PIPELINE
Incident Cause: UNKNOWN
Affected Area: The incident occurred on 05-JUL-10 at 10:00 local time.
Affected Medium: AIR ATMOSPHERE

SUSPECTED RESPONSIBLE PARTY

Organization: EPCO
HOUSTON, TX
Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION

STAGECOACH RD & ROXBORO RD County: MCDUFFIE
City: THOMPSON State: GA

RELEASED MATERIAL(S)

CHRIS Code: PRP Official Material Name: PROPANE
Also Known As:
Qty Released: 8844 BARREL(S)

DESCRIPTION OF INCIDENT

CALLER IS REPORTING BACK HOE THAT STRUCK AN UNDERGROUND PIPELINE, MATERIAL WAS RELEASED INTO THE ATMOSPHERE AND THE MATERIAL CAUGHT ON FIRE. A PRELIMINARY REPORT STATED THERE WERE TWO FATALITIES REPORTED.

INCIDENT DETAILS

Pipeline Type: FLOW
DOT Regulated: YES
Pipeline Above/Below Ground: BELOW
Exposed or Under Water: NO
Pipeline Covered: UNKNOWN

DAMAGES

Fire Involved: YES Fire Extinguished: UNKNOWN
INJURIES: NO Hospitalized: Empl/Crew: Passenger:
FATALITIES: YES Empl/Crew: Passenger: Occupant:
EVACUATIONS: NO Who Evacuated: Radius/Area:
Damages: UNKNOWN

Closure Type Description of Closure Length of Direction of
Air: N
Road: Y ROXBORO RD, STAGECOACH RD Major Artery: N
Waterway: N
Track: N
Passengers Transferred: NO
Environmental Impact: UNKNOWN
Media Interest: NONE Community Impact due to Material:

REMEDIAL ACTIONS

INVESTIGATION UNDERWAY. PIPELINE SHUT IN/BLOCKED IN.
WEATHER
Weather: PARTLY CLOUDY, 83°F    Wind speed: 9 MPH    Wind direction:

ADDITIONAL AGENCIES NOTIFIED
Federal:       NONE
State/Local:   EMS, FD
State/Local On Scene: EMS, FD
State Agency Number:   NONE

NOTIFICATIONS BY NRC
USCG ICC (ICC ONI)          05-JUL-10  12:09
DHS CUSTOMS AND BORDER PATROL (GEORGIA COMMAND CENTER)  05-JUL-10  12:09
DHS CUSTOMS AND BORDER PATROL (GEORGIA COMMAND CENTER CON'T)  05-JUL-10  12:09
DHS PROTECTIVE SECURITY ADVISOR (PSA DESK)        05-JUL-10  12:09
DHS SOUTH CAROLINA FUSION CENTER (LE SENSITIVE ADVISORS & LIASON PROGRAM)  05-JUL-10  12:09
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)          05-JUL-10  12:09
U.S. EPA IV (MAIN OFFICE)                         05-JUL-10  12:10
USCG NATIONAL COMMAND CENTER (MAIN OFFICE)         05-JUL-10  12:11
GA BUREAU OF INVESTIGATION (COMMAND CENTER)         05-JUL-10  12:09
GA U.S. ATTORNEY'S OFFICE (MAIN OFFICE)             05-JUL-10  12:09
GULF STRIKE TEAM (MAIN OFFICE)                     05-JUL-10  12:09
INFO ANALYSIS & INFRA PROTECTION (MAIN OFFICE)      05-JUL-10  12:09
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)     05-JUL-10  12:09
NATIONAL INFRASTRUCTURE COORD CTR (INFRASTRUCTURE PROTECTION)  05-JUL-10  12:09
NOAA RPTS FOR GA (MAIN OFFICE)                     05-JUL-10  12:09
NATIONAL RESPONSE CENTER HQ (MAIN OFFICE)          05-JUL-10  12:11
NTSB PIPELINE (MAIN OFFICE)                        05-JUL-10  12:09
HOMELAND SEC COORDINATION CENTER (MAIN OFFICE)      05-JUL-10  12:09
PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY (AUTO))  05-JUL-10  12:09
GEORGIA EMERGENCY MNGMT AGENCY (MAIN OFFICE)        05-JUL-10  12:09
USCG DISTRICT 7 (ATTN: LCDR MARTIN MUELLER)         05-JUL-10  12:09

ADDITIONAL INFORMATION
CALLER HAD NO ADDITIONAL ADDITIONAL INFORMATION.

*** END INCIDENT REPORT # 946588 ***
LOCATION:

Line Section: Milner to SC line  
State/Location Code: 24-578  
MP: 817.1

RIW Tract: T-8  
Alignment Sheet No.: 154 of 211  
RAW Inv. No.: 43152+31  
TO:

County / Parish: Mcduffie  
State: GA.  
Landmark: Stagecoach rd.

PARTICIPANTS:

Dixie Pipeline Representative: Bobby Williams

Others:

Name: Paul Mccorkle  
Address: PO Box 1198  
PO Box 1198 Thomson, Georgia 30824  
Phone: (706) 595-1550

Representing: Interstate Equipment

GENERAL INFORMATION:

Patrol plane called in a trackhoe parked on the ROW at milepost 817.1. I rode down and found the trackhoe. I finally got in touch with the owner, Paul Mccorkle. He was clearing out some of his land around the ROW. I explained to him about the importance of contacting us if he is to do any work on or near the ROW. I also told him there is no digging allowed on the ROW without a DPC representative, or a Georgia one call system. He agreed.


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THIS REPORT:

Aerial Report: Yes  
No Date  
Date of Contact: 09/20/05

Crossing Report DPC-26-9: is Attached N/A  
Date of Report: 09/23/05

VIR Report DPC-270 Required: Yes  
No  
Prepared By: Bobby Williams