

**DAILY CONSTRUCTION DIARY #53**

Project Name: ARRA WTP To Poplar Mainline Project Day of Week: Thursday Date: 9-1-11  
 Project Number: 803509 By: Travis Myers  
 On-site Time: 11:00 am, 4:00 pm Off-site Time: 1:00 pm, 5:00 pm

**A) WEATHER:**

<u>Temperature</u>	<u>Condition</u>	<u>Precipitation:</u>
Previous Overnight: <u>48</u>	Previous Overnight: <u>Cloudy</u>	<u>Trace</u>
7:00 a.m. to Noon: <u>54</u>	7:00 a.m. to Noon: <u>Cloudy</u>	<u>None</u>
Noon to 6:00 p.m.: <u>66</u>	Noon to 6:00 p.m.: <u>Cloudy</u>	<u>None</u>

Affect on Construction: \_\_\_\_\_

**B) CONTRACTOR OPERATION:**

**Prime Contractor:** Wagner Construction Shift Start Time: 6:00 am Shift Finish Time: 7:30 pm  
 Contractor's Supervisor: Andy Timmer  
 Work Location/Station: 515+00

**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_  
 Work Location/Station: \_\_\_\_\_

**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_  
 Work Location/Station: \_\_\_\_\_

**Contract Time:** Day \_\_\_\_\_ of \_\_\_\_\_ (Calendar/Work) Days

**Number of Personnel and Hours**

	Superintendent	Foreman	Operators	Skilled Labor	Labor	Other	Other
Crew #1	_____	<u>A. Timmer</u>	<u>3</u>	<u>1</u>	<u>1</u>	_____	_____
Crew #2	_____	_____	_____	_____	_____	_____	_____
Subcontractor #1	_____	_____	_____	_____	_____	_____	_____
Subcontractor #2	_____	_____	_____	_____	_____	_____	_____

**C) EQUIPMENT (model/hours):**

Primary Backhoe <u>345</u>	Support Backhoe _____	Compactors _____	Front-End Loader _____	Scrapers _____
Dozer <u>D6T</u>	Grader _____	Paver _____	Pumps _____	Generator _____
Dump Truck _____	_____	_____	_____	_____

**D) CONSTRUCTION ACTIVITY:**

**Prime Contractor:** The ground has become harder, slowing the contractor's progress. I documented with photos the effectiveness of the modified bucket.

(Continued on Back)

**RPR Initials:** \_\_\_\_\_

**D) CONSTRUCTION ACTIVITY:**

Prime Contractor:

Subcontractor(s):

**E) ENGINEERING ACTIVITY:**

**F) OTHER COMMENTS: (Visitors/Photographs, etc.)**

0505 - 0515: Trench bottom using modified bucket

0516: Dry stream crossing at 494+00

**G) ACTION ITEMS OR OUT-OF-SCOPE ITEMS: (eg, Extra Work, Force Account Work)**

**H) ATTACHMENTS: ( eg, Quantities, Stored Materials)**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

**Project Name:** ARRA WTP To Poplar Mainline Project

**Project Number:** 803509

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RPR Signature	RPR	Title	9-2-11	Date
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**Diary No.:** \_\_\_\_\_

**Date:** \_\_\_\_\_

(continued)

**DAILY CONSTRUCTION DIARY #54**

Project Name: ARRA WTP To Poplar Mainline Project Day of Week: Friday Date: 9-2-11  
 Project Number: 803509 By: Travis Myers  
 On-site Time: \_\_\_\_\_ Off-site Time: \_\_\_\_\_

**A) WEATHER:**

<u>Temperature</u>	<u>Condition</u>	<u>Precipitation:</u>
Previous Overnight: <u>39</u>	Previous Overnight: <u>Clear</u>	<u>None</u>
7:00 a.m. to Noon: <u>65</u>	7:00 a.m. to Noon: <u>Cloudy</u>	<u>None</u>
Noon to 6:00 p.m.: <u>76</u>	Noon to 6:00 p.m.: <u>Cloudy</u>	<u>None</u>

Affect on Construction: \_\_\_\_\_

**B) CONTRACTOR OPERATION:**

**Prime Contractor:** Wagner Construction Shift Start Time: 6:00 am Shift Finish Time: 2:00 pm

Contractor's Supervisor: Andy Timmer

Work Location/Station: 532+00

**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_

Work Location/Station: \_\_\_\_\_

**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_

Work Location/Station: \_\_\_\_\_

**Contract Time:** Day \_\_\_\_\_ of \_\_\_\_\_ (Calendar/Work) Days

**Number of Personnel and Hours**

	Superintendent	Foreman	Operators	Skilled Labor	Labor	Other	Other
Crew #1	_____	<u>A. Timmer</u>	<u>3</u>	<u>1</u>	<u>1</u>	_____	_____
Crew #2	_____	_____	_____	_____	_____	_____	_____
Subcontractor #1	_____	_____	_____	_____	_____	_____	_____
Subcontractor #2	_____	_____	_____	_____	_____	_____	_____

**C) EQUIPMENT (model/hours):**

Primary Backhoe <u>345</u>	Support Backhoe _____	Compactors _____	Front-End Loader _____	Scrapers _____
Dozer <u>D6T</u>	Grader _____	Paver _____	Pumps _____	Generator _____
Dump Truck _____	_____	_____	_____	_____

**D) CONSTRUCTION ACTIVITY:**

**Prime Contractor:** The contractor continued laying pipe to station 538+00, and left early for the holiday weekend. The contractor repaired the culvert they had hit earlier in the week.

(Continued on Back)

**RPR Initials:** \_\_\_\_\_



**Diary No.:** \_\_\_\_\_

**Date:** \_\_\_\_\_

(continued)

**DAILY CONSTRUCTION DIARY #57 \_\_\_\_\_**

Project Name: ARRA WTP To Poplar Mainline Project Day of Week: Thursday Date: 9/8/2011  
 Project Number: 2713.003 By: Nicole Mosby  
 On-site Time: 13:20 (NEM) Off-site Time: 20:30 (NEM)

**A) WEATHER:**

<u>Temperature</u>	<u>Condition</u>	<u>Precipitation:</u>
Previous Overnight: <u>46 degrees</u>	Previous Overnight: <u>clear</u>	<u>N/A</u>
7:00 a.m. to Noon: <u>45-88 degrees</u>	7:00 a.m. to Noon: <u>sunny</u>	<u>N/A</u>
Noon to 6:00 p.m.: <u>88 degrees</u>	Noon to 6:00 p.m.: <u>sunny</u>	<u>N/A</u>

Affect on Construction: none

**B) CONTRACTOR OPERATION:**

**Prime Contractor:** Wagner Construction Shift Start Time: 6:00 Shift Finish Time: 19:30

Contractor's Supervisor: Andy

Work Location/Station: 560+00 – 575+00

**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_

Work Location/Station: \_\_\_\_\_

**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_

Work Location/Station: \_\_\_\_\_

**Contract Time:** Day \_\_\_\_\_ of \_\_\_\_\_ (Calendar/Work) Days

**Number of Personnel and Hours**

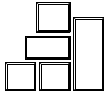
	Superintendent	Foreman	Operators	Skilled Labor	Labor	Other	Other
Crew #1		Andy	Ralph	Tim	Greg		
Crew #2			Chad		Mike	Adrien	
Subcontractor #1							
Subcontractor #2							

**C) EQUIPMENT (model/hours):**

Primary Backhoe <u>12.5</u>	Support Backhoe _____	Compactors <u>12.5</u>	Front-End Loader <u>12.5</u>	Scrapers _____
Dozer <u>12.5</u>	Grader _____	Paver _____	Pumps _____	Generator _____
Dump Truck _____	Skid Steer <u>12.5</u>	_____	_____	_____

**D) CONSTRUCTION ACTIVITY:**

**Prime Contractor:** Laid pipe and backfilled and compacted from stations 560+00 to 575+00. The inspection was split between Travis Meyer and myself. Travis was onsite during the morning hours and reported the starting station. I arrived onsite around 13:20. \_\_\_\_\_



(Continued): Normal progress was made on the line until reaching the fiber optic crossing. A hole was dug by hand around each crossing location until the line was located. The track hose was then used to delicately move the dirt around each line. The Approximately 1400 ft of pipe was laid with maximum of 3/10 off of grade, erroring on the low side. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Subcontractor(s):**

**E) ENGINEERING ACTIVITY:**

**F) OTHER COMMENTS: (Visitors/Photographs, etc.)**

Photos 100 1194 through 100 1215 were taken this day showing compaction, hand digging on fiber optic line at station 575+00.  
\_\_\_\_\_  
\_\_\_\_\_

**G) ACTION ITEMS OR OUT-OF-SCOPE ITEMS: (eg, Extra Work, Force Account Work)**

**H) ATTACHMENTS: ( eg, Quantities, Stored Materials)**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

\_\_\_\_\_  
**RPR Signature**

\_\_\_\_\_  
**Title**

\_\_\_\_\_  
**Date**

**DAILY CONSTRUCTION DIARY #58** \_\_\_\_\_

Project Name: ARRA WTP To Poplar Mainline Project Day of Week: Friday Date: 9/9/2011  
 Project Number: 2713.003 By: Nicole Mosby  
 On-site Time: 7:45, 11:45 Off-site Time: 9:45, 19:20

**A) WEATHER:**

<u>Temperature</u>	<u>Condition</u>	<u>Precipitation:</u>
Previous Overnight: <u>43 degrees</u>	Previous Overnight: <u>clear</u>	<u>N/A</u>
7:00 a.m. to Noon: <u>45-82 degrees</u>	7:00 a.m. to Noon: <u>sunny</u>	<u>N/A</u>
Noon to 6:00 p.m.: <u>82 degrees</u>	Noon to 6:00 p.m.: <u>sunny</u>	<u>N/A</u>

Affect on Construction: none \_\_\_\_\_

**B) CONTRACTOR OPERATION:**

**Prime Contractor:** Wagner Construction Shift Start Time: 6:00 Shift Finish Time: 19:30

Contractor's Supervisor: Andy

Work Location/Station: 575+00 – 590+00

**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_

Work Location/Station: \_\_\_\_\_

**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_

Work Location/Station: \_\_\_\_\_

**Contract Time:** Day \_\_\_\_\_ of \_\_\_\_\_ (Calendar/Work) Days

**Number of Personnel and Hours**

	Superintendent	Foreman	Operators	Skilled Labor	Labor	Other	Other
Crew #1		Andy	Ralph	Tim	Greg		
Crew #2			Chad		Mike	Adrien	
Subcontractor #1							
Subcontractor #2							

**C) EQUIPMENT (model/hours):**

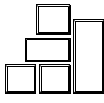
Primary Backhoe <u>12.5</u>	Support Backhoe _____	Compactors <u>12.5</u>	Front-End Loader <u>12.5</u>	Scrapers _____
Dozer <u>12.5</u>	Grader _____	Paver _____	Pumps _____	Generator _____
Dump Truck _____	Skid Steer <u>12.5</u>	_____	_____	_____

**D) CONSTRUCTION ACTIVITY:**

**Prime Contractor:** I morning began with continued work around the fiber optic lines to get pipe set under the second line and backfill around both lines. \_\_\_\_\_

(Continued on Back)

**RPR Initials:** NEM



(Continued): Pipe had been laid approximately 3 stick past the fiber lines and the crew had just returned to returned to begin backfilling around the fiber lines as I arrived on site. They laid buckets of dirt around the lines and then dropped the bucket on the dirt to get some compaction. Care was taken to lift the lines and compact the dirt as much as possible underneath. Then the front loader was used to push the rest of the fill over the top of the lines and a sheep's foot was run for further compaction. Wagner continued to lay pipe as normal using mostly the dirt bucket with the pipe trenching tooth. Around station 588+00 the ground got harder and they had to return to switching between the clawed bucket and the dirt bucket.

At 14:30, a load of gravel was delivered for the road crossing. At around station 589+00, line of site was lost with the level. While the level was reset, I had Tim walk me through the process he had been using to set and track the grade, and found it to be acceptable. The pipe at this point was about 1/10<sup>th</sup> of a foot low. The road signs were placed and pipe laying continued until approximately station 590+00.

**Subcontractor(s):** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**E) ENGINEERING ACTIVITY:**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**F) OTHER COMMENTS: (Visitors/Photographs, etc.)**  
Photos take this day are 100 1217 through 100 1267 and 100 1270 through 100 1271. These show the remainder of the fiber crossing at 575+00, typical compaction and pipe laying, and just some over view and initial operational observations.  
\_\_\_\_\_  
\_\_\_\_\_

**G) ACTION ITEMS OR OUT-OF-SCOPE ITEMS: (eg, Extra Work, Force Account Work)**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**H) ATTACHMENTS: ( eg, Quantities, Stored Materials)**  
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

**RPR Initials:** NEM

**DAILY CONSTRUCTION DIARY #59** \_\_\_\_\_

Project Name: ARRA WTP To Poplar Mainline Project Day of Week: Saturday Date: 9/10/2011  
 Project Number: 2713.003 By: Nicole Mosby  
 On-site Time: 6:10, 12:30 Off-site Time: 10:20, 19:40

**A) WEATHER:**

<u>Temperature</u>	<u>Condition</u>	<u>Precipitation:</u>
Previous Overnight: <u>46 degrees</u>	Previous Overnight: <u>clear</u>	<u>N/A</u>
7:00 a.m. to Noon: <u>50-88 degrees</u>	7:00 a.m. to Noon: <u>sunny</u>	<u>N/A</u>
Noon to 6:00 p.m.: <u>89-70 degrees</u>	Noon to 6:00 p.m.: <u>sunny</u>	<u>N/A</u>

Affect on Construction: none

**B) CONTRACTOR OPERATION:**

**Prime Contractor:** Wagner Construction Shift Start Time: 6:00 Shift Finish Time: 19:45  
 Contractor's Supervisor: Andy  
 Work Location/Station: 590+00 – 603+00  
**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_  
 Work Location/Station: \_\_\_\_\_  
**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_  
 Work Location/Station: \_\_\_\_\_  
**Contract Time:** Day \_\_\_\_\_ of \_\_\_\_\_ (Calendar/Work) Days

**Number of Personnel and Hours**

	Superintendent	Foreman	Operators	Skilled Labor	Labor	Other	Other
Crew #1		Andy	Ralph	Tim	Greg		
Crew #2			Chad			Adrien	
Subcontractor #1							
Subcontractor #2							

**C) EQUIPMENT (model/hours):**

Primary Backhoe <u>12.75</u>	Support Backhoe _____	Compactors <u>12.75</u>	Front-End Loader <u>12.75</u>	Scrapers _____
Dozer <u>12.75</u>	Grader _____	Paver _____	Pumps _____	Generator _____
Dump Truck _____	Skid Steer <u>12.75</u>	_____	_____	_____

**D) CONSTRUCTION ACTIVITY:**

**Prime Contractor:** The morning began with excavation for the road crossing at station 591+00. Several feet were cleared, then the backhoe was positioned inside the clearing and continued

(Continued on Back)

**RPR Initials:** NEM

(Continued): excavation as normal. After the pipe was laid, the grade was re-laid in 6 -12 inch lifts using mostly buckets of dirt dropped by the backhoe then compacted with the sheep's foot. The remainder of the day progressed in the normal fashion. The ground was tough for most of the day and required the use of both the dirt bucket and the clawed bucket. I spoke with Chad about the location of the pump out at station 684+10. He was confused that it appeared to be in the middle of the field instead of at the low spot in the stream bed. I told him that it was the correct location as it is the low spot in the pipe, and that the design intent was probably just to make it easier to access. I also inspected and photographed the bends and appurtenances Chad had been assembling. Late in the afternoon, Ralph showed me that the hose they had patched on the compactor was leaking. The day ended around station 603+00.

**Subcontractor(s):** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**E) ENGINEERING ACTIVITY:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**F) OTHER COMMENTS: (Visitors/Photographs, etc.)**

Mike called in sick today.

Photos taken today were photos 110\_1273 through 100\_1335. These photos show excavation, pipe laying, and compaction , and signage of the road crossing. The remaining photos show tightening of the pin on the excavator, a typical pipe laying, and inspection of appurtenances to be installed (pump out for station 632+92, 45 bend for station 636+86, and construction of the pump out at station 683+10).

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**H) ATTACHMENTS: ( eg, Quantities, Stored Materials)**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_



**DAILY CONSTRUCTION DIARY #60** \_\_\_\_\_

Project Name: ARRA WTP To Poplar Mainline Project Day of Week: Sunday Date: 9/11/2011  
 Project Number: 2713.003 By: Nicole Mosby  
 On-site Time: 7:45 Off-site Time: 19:00

**A) WEATHER:**

<u>Temperature</u>	<u>Condition</u>	<u>Precipitation:</u>
Previous Overnight: <u>45 degrees</u>	Previous Overnight: <u>clear</u>	<u>N/A</u>
7:00 a.m. to Noon: <u>62-90 degrees</u>	7:00 a.m. to Noon: <u>sunny</u>	<u>N/A</u>
Noon to 6:00 p.m.: <u>89-70 degrees</u>	Noon to 6:00 p.m.: <u>sunny</u>	<u>N/A</u>

Affect on Construction: none

**B) CONTRACTOR OPERATION:**

**Prime Contractor:** Wagner Construction Shift Start Time: 6:00 Shift Finish Time: 19:30  
 Contractor's Supervisor: Andy  
 Work Location/Station: 603+00 – 619+60

**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_  
 Work Location/Station: \_\_\_\_\_

**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_  
 Work Location/Station: \_\_\_\_\_

**Contract Time:** Day \_\_\_\_\_ of \_\_\_\_\_ (Calendar/Work) Days

**Number of Personnel and Hours**

	Superintendent	Foreman	Operators	Skilled Labor	Labor	Other	Other
Crew #1		Andy	Ralph	Tim	Greg		
Crew #2			Chad		Mike		
Subcontractor #1							
Subcontractor #2							

**C) EQUIPMENT (model/hours):**

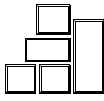
Primary Backhoe <u>12.75</u>	Support Backhoe _____	Compactors <u>12.75</u>	Front-End Loader <u>12.75</u>	Scrapers _____
Dozer <u>12.75</u>	Grader _____	Paver _____	Pumps _____	Generator _____
Dump Truck _____	Skid Steer <u>12.75</u>	_____	_____	_____

**D) CONSTRUCTION ACTIVITY:**

**Prime Contractor:** The morning began at station 603+00. The ground was hard enough that the compactor had to continually switch between buckets for most of the day.

(Continued on Back)

**RPR Initials:** NEM



(Continued): At 16:00 issues with the compactor required it to be taken out of service at approximately station 615+00. Ralph was confident that they could still get sufficient compaction just using the dozer. I informed Ralph that I would document it. I then left Travis Meyer a voicemail to inform him of the matter, that I was going to let Wagner proceed, and that he should let me know if I need to instruct them otherwise. Around station 616+00 a neighbor came out to inform that their telephone line had been severed. I called and left a message for Mike with Nemont. There were some marker flags indicating that the line paralleled the alignment, but not to indicate that the line crossed the alignment.

**Subcontractor(s):** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**E) ENGINEERING ACTIVITY:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**F) OTHER COMMENTS: (Visitors/Photographs, etc.)**

Adrien came to work but then left very early in the morning.  
The photos taken this day were photos 100\_1341 through 100\_1348. These show the compactor running in the trench, care taken while crossing a telephone line around station 607+00, and a typical pipe laying.

\_\_\_\_\_

**G) ACTION ITEMS OR OUT-OF-SCOPE ITEMS: (eg, Extra Work, Force Account Work)**

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\_\_\_\_\_  
\_\_\_\_\_

**H) ATTACHMENTS: ( eg, Quantities, Stored Materials)**

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

**RPR Initials:** NEM \_\_\_\_\_

**DAILY CONSTRUCTION DIARY #61** \_\_\_\_\_

Project Name: ARRA WTP To Poplar Mainline Project Day of Week: Monday Date: 9/12/2011  
 Project Number: 2713.003 By: Nicole Mosby  
 On-site Time: 7:45 Off-site Time: 19:20

**A) WEATHER:**

<u>Temperature</u>	<u>Condition</u>	<u>Precipitation:</u>
Previous Overnight: <u>44 degrees</u>	Previous Overnight: <u>clear-cloudy</u>	<u>N/A</u>
7:00 a.m. to Noon: <u>50-68 degrees</u>	7:00 a.m. to Noon: <u>cloudy and overcast</u>	<u>N/A</u>
Noon to 6:00 p.m.: <u>68-62 degrees</u>	Noon to 6:00 p.m.: <u>overcast</u>	<u>N/A</u>

Affect on Construction: none

**B) CONTRACTOR OPERATION:**

**Prime Contractor:** Wagner Construction Shift Start Time: 6:00 Shift Finish Time: 19:30

Contractor's Supervisor: Andy

Work Location/Station: 619+60 - 632+60

**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_

Work Location/Station: \_\_\_\_\_

**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_

Work Location/Station: \_\_\_\_\_

**Contract Time:** Day \_\_\_\_\_ of \_\_\_\_\_ (Calendar/Work) Days

**Number of Personnel and Hours**

	Superintendent	Foreman	Operators	Skilled Labor	Labor	Other	Other
Crew #1		Andy	Ralph	Tim	Greg		
Crew #2			Chad		Mike	Adrien	
Subcontractor #1							
Subcontractor #2							

**C) EQUIPMENT (model/hours):**

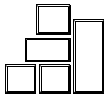
Primary Backhoe <u>12.5</u>	Support Backhoe _____	Compactors <u>12.5</u>	Front-End Loader <u>12.5</u>	Scrapers _____
Dozer <u>12.5</u>	Grader _____	Paver _____	Pumps _____	Generator _____
Dump Truck _____	Skid Steer <u>12.5</u>	_____	_____	_____

**D) CONSTRUCTION ACTIVITY:**

**Prime Contractor:** The morning began at station 619+60. Chad went to Williston to get the parts to fix the compactor. A neighbor stopped by and spoke with Andy. She was upset because

(Continued on Back)

**RPR Initials:** NEM



(Continued): someone had left the gate open to her bull pen. Around 9:30, the Nemont guy arrived onsite to fix the phone lines. Progress continued as normal. The compactor was fixed and back online around station 626+00. Fiber optic crossings were hand dug. An unmarked line (appeared to be telephone) was severed immediately before the 2 marked lines on the plans. The day ended at station 632+60 just short of the pump out.

**Subcontractor(s):** \_\_\_\_\_

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**E) ENGINEERING ACTIVITY:**

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\_\_\_\_\_  
\_\_\_\_\_

**F) OTHER COMMENTS: (Visitors/Photographs, etc.)**

Mike from Nemont came and repaired the severed telephone line. Photos taken 100\_1351 – 100\_1370 showing the relocation of Nemont telephone line, a standard pipe laying, compacting without the compactor, unloading DI pipe onsite, the compactor returning to service, water in the bottom of the trench, and a fiber crossing (1 of the crossings around station 631+50. \_\_\_\_\_

**G) ACTION ITEMS OR OUT-OF-SCOPE ITEMS: (eg, Extra Work, Force Account Work)**

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\_\_\_\_\_  
\_\_\_\_\_

**H) ATTACHMENTS: ( eg, Quantities, Stored Materials)**

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

**RPR Initials:**NEM\_\_\_\_\_

**DAILY CONSTRUCTION DIARY #62** \_\_\_\_\_

Project Name: ARRA WTP To Poplar Mainline Project Day of Week: Tuesday Date: 9/13/2011  
 Project Number: 2713.003 By: Nicole Mosby  
 On-site Time: 6:00, 14:00, 17:00 Off-site Time: 12:00, 16:00, 19:20

**A) WEATHER:**

<u>Temperature</u>	<u>Condition</u>	<u>Precipitation:</u>
Previous Overnight: <u>46 degrees</u>	Previous Overnight: <u>cloudy and overcast</u>	<u>none</u>
7:00 a.m. to Noon: <u>49-68 degrees</u>	7:00 a.m. to Noon: <u>light clouds</u>	<u>none</u>
Noon to 6:00 p.m.: <u>67-50 degrees</u>	Noon to 6:00 p.m.: <u>light clouds</u>	<u>none</u>

Affect on Construction: none

**B) CONTRACTOR OPERATION:**

**Prime Contractor:** Wagner Construction Shift Start Time: 6:00 Shift Finish Time: 19:30  
 Contractor's Supervisor: Andy  
 Work Location/Station: 632+60 – 642+00  
**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_  
 Work Location/Station: \_\_\_\_\_  
**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_  
 Work Location/Station: \_\_\_\_\_  
**Contract Time:** Day \_\_\_\_\_ of \_\_\_\_\_ (Calendar/Work) Days

**Number of Personnel and Hours**

	Superintendent	Foreman	Operators	Skilled Labor	Labor	Other	Other
Crew #1		Andy	Ralph	Tim	Adrien		
Crew #2			Chad		Mike		
Subcontractor #1							
Subcontractor #2							

**C) EQUIPMENT (model/hours):**

Primary Backhoe <u>12.5</u>	Support Backhoe _____	Compactors <u>12.5</u>	Front-End Loader <u>12.5</u>	Scrapers _____
Dozer <u>12.5</u>	Grader _____	Paver _____	Pumps _____	Generator _____
Dump Truck _____	Skid Steer <u>12.5</u>	_____	_____	_____

**D) CONSTRUCTION ACTIVITY:**

**Prime Contractor:** The morning began at station 632+60. Excavation began with one more pipe to set, then the pump out. The pump out was set initially with a mega lug joint between the

(Continued on Back)

**RPR Initials:** NEM

(Continued): upstream pipe and the pipe with the 24" x 6" tee installed and then double wrapped in 6 mil poly. The tee was then installed to hang vertically. I double checked that it was level. Two 45 bends were used to bring the 6" to 7' below finished grade. The hydrant was then set back approximately 40 -45' from the pipe centerline at the base of where the grade slopes up to the road. Each piece of pipe was tied together with a Caldwell jumped then double wrapped in 6 mil poly from the base of the hydrant to the 24x6" tee. Anode was tied to the tee and placed ~3 ft to upstream side of the tee and 1' below the invert. Another anode was welded on 6" DI line on the mainline side of the valve and PVC riser and located 1' under the pipe invert a few feet to the mainline side (south) of the weld. Sac-crete was placed behind the 6" 90 bend at the tee and the 6" 90 bend to the riser. It was all then backfilled by hand under the piping and a plate pounder was used to compact under the pipe. The next mainline pipe was then laid and the restraining joint was assembled and double wrapped in 6 mill poly. Then the entire area was then backfilled in several lifts, including returning the drainages back to their original shape. Around this time, problems with the excavator boom were evident. Wagner determined that it did not need to be taken out of operation, but would need to repair it prior to their next work shift. It was then decided that Wagner would use the downtime to track back to the plant to work on the several odd jobs back that way including the plant connection and the UPS parcel. I stopped by the UPS station, but the manager was not there. I left my card and asked that she call me. I also discussed the new reroute with Andy and we drove down to station 710+00 to look at the location of the bends. Work continued to the 45 degree bend. Restraints were placed on either side and the restraints and bend were single wrapped in 8 mill poly. An anode was welded to the bend and placed a few feet to the upstream side and 1' under the pipe invert. 3 cubic yards were poured behind the bend. The pipe was then backfilled around all but the concrete, which was left to set up till the end of the day ~3.5 hours. Normal pipe laying then continued till approximately station 642+00.

Subcontractor(s): \_\_\_\_\_

**E) ENGINEERING ACTIVITY:**

The realignment sheet for the UPS parcel and the other parcel around station 710+00 were set to me which I printed and discussed with Wagner.

**F) OTHER COMMENTS: (Visitors/Photographs, etc.)**

Greg came to work then left very promptly because he was feeling ill. Photographs taken this day are photos 110\_1371 through 100\_1444, showing the pump out, 45 bend, a standard pipe laying, the backhoe sitting directly on the surveyed alignment, the leveling equipment set up and dial showing the grade at station 640+00.

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**RPR Initials:NEM**



DIARY #: 62

DATE: 9/13/2011

**G) ACTION ITEMS OR OUT-OF-SCOPE ITEMS: (eg, Extra Work, Force Account Work)**

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**H) ATTACHMENTS: ( eg, Quantities, Stored Materials)**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

**RPR Initials:NEM**\_\_\_\_\_

**DAILY CONSTRUCTION DIARY #63** \_\_\_\_\_

Project Name: ARRA WTP To Poplar Mainline Project Day of Week: Wednesday Date: 9/14/2011  
 Project Number: 2713.003 By: Nicole Mosby  
 On-site Time: 7:45 Off-site Time: 12:15

**A) WEATHER:**

<u>Temperature</u>	<u>Condition</u>	<u>Precipitation:</u>
Previous Overnight: <u>29 degrees</u>	Previous Overnight: <u>clear</u>	<u>None</u>
7:00 a.m. to Noon: <u>29-57 degrees</u>	7:00 a.m. to Noon: <u>clear</u>	<u>None</u>
Noon to 6:00 p.m.: <u>N/A</u>	Noon to 6:00 p.m.: <u>N/A</u>	<u>N/A</u>

Affect on Construction: none

**B) CONTRACTOR OPERATION:**

**Prime Contractor:** Wagner Construction Shift Start Time: 6:00 Shift Finish Time: 12:30  
 Contractor's Supervisor: Andy  
 Work Location/Station: 642+00 – 649+80  
**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_  
 Work Location/Station: \_\_\_\_\_  
**Subcontractor:** \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_  
 Work Location/Station: \_\_\_\_\_  
**Contract Time:** Day \_\_\_\_\_ of \_\_\_\_\_ (Calendar/Work) Days

**Number of Personnel and Hours**

	Superintendent	Foreman	Operators	Skilled Labor	Labor	Other	Other
Crew #1		Andy	Ralph	Tim	Greg		
Crew #2			Chad		Mike	Adrien	
Subcontractor #1							
Subcontractor #2							

**C) EQUIPMENT (model/hours):**

Primary Backhoe	Support Backhoe	Compactors	Front-End Loader	Scrapers
<u>6</u>	_____	<u>6</u>	<u>6</u>	_____
Dozer	Grader	Paver	Pumps	Generator
<u>6</u>	_____	_____	_____	_____
Dump Truck	Skid Steer	_____	_____	_____
_____	<u>6</u>	_____	_____	_____

**D) CONSTRUCTION ACTIVITY:**

**Prime Contractor:** The morning began at station 642+00. Typical pipe laying proceeded quickly until the road crossing at around station 646+00. Excavation proceeded across the road crossing

(Continued on Back)

**RPR Initials:** NEM

(Continued): until the pipe was laid past the road crossing then the excavator returned to lay the dirt in the trench in scoops while the compactor pushed and vibrated the lifts into place. The dozer was then used return the grading in the ditches back to normal. At the end of the work day, 8 mil poly was used to seal up the end of the line, and a piece of plywood was place over the end of the pipe to protect it prior to final filling of the excavation. When I left the site, Wagner had begun the process of tracking the excavator back to the water treatment plant to begin their work there on their next trip beginning on 9-20-2011.

Subcontractor(s): \_\_\_\_\_

**E) ENGINEERING ACTIVITY:**

The realignment sheet for the UPS parcel and the other parcel around station 710+00 where set to me which I printed and discussed with Wagner.

**F) OTHER COMMENTS: (Visitors/Photographs, etc.)**

Photographs taken this day are photos 100\_1445 through 100\_1484, showing a typical pipe laying, backfilling, and grade checking. Additional photos show the concrete ticket for 3 cu yds from the 45 bend at station 636+86, excavation and backfilling in lots of lift of the road way crossing, sealing and placement of the final pipe and final closing of the excavation at the end of the work day.

**RPR Initials: NEM**

**G) ACTION ITEMS OR OUT-OF-SCOPE ITEMS: (eg, Extra Work, Force Account Work)**

**H) ATTACHMENTS: ( eg, Quantities, Stored Materials)**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**RPR Initials: NEM** \_\_\_\_\_

Project Name: ARRA WTP To Poplar Mainline Project

Day of Week: Tues

Date: 9/20/11

Project Number: \_\_\_\_\_

By: John Wells

On-site Time: 2:30

Off-site Time: 6:30

**A) WEATHER:**

Temperature

Condition

Precipitation:

Previous Overnight: 48

Previous Overnight: lt Rain

0.25"

7:00 a.m. to Noon: 43/59

7:00 a.m. to Noon: Cloudy

0

Noon to 6:00 p.m.: 64

Noon to 6:00 p.m.: lt Rain Shower

0.01"

Affect on Construction: \_\_\_\_\_

**B) CONTRACTOR OPERATION:**

Prime Contractor: Wagner Construction Shift Start Time: 2:45 Shift Finish Time: \_\_\_\_\_

Contractor's Supervisor: Andy

Work Location/Station: \_\_\_\_\_

Subcontractor: \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_

Work Location/Station: \_\_\_\_\_

Subcontractor: \_\_\_\_\_ Shift Start Time: \_\_\_\_\_ Shift Finish Time: \_\_\_\_\_

Work Location/Station: \_\_\_\_\_

Contract Time: Day \_\_\_\_\_ of \_\_\_\_\_ (Calendar/Work) Days

**Number of Personnel and Hours**

	Superintendent	Foreman	Operators	Skilled Labor	Labor	Other	Other
Crew #1	<u>Andy</u>		<u>1</u>	<u>1</u>			
Crew #2							
Subcontractor #1							
Subcontractor #2							

**C) EQUIPMENT (model/hours):**

Primary Backhoe \_\_\_\_\_ Support Backhoe \_\_\_\_\_ Compactors \_\_\_\_\_ Front-End Loader \_\_\_\_\_ Scrapers \_\_\_\_\_

Dozer \_\_\_\_\_ Grader \_\_\_\_\_ Paver \_\_\_\_\_ Pumps \_\_\_\_\_ Generator \_\_\_\_\_

Dump Truck \_\_\_\_\_

**D) CONSTRUCTION ACTIVITY:**

Prime Contractor: Wagner finished repairing their tracks. Joe & started install of the ARV at sta. 30+11+22 @ 2:45 today. Installed valve, pipes, cathodic protection and 8-mil wrap. Reviewed directions for application.

(Continued on Back)

RPR Initials: JRW

(Continued): of spray foam with Ardy. The ardy is buried west of the ARV vault.

Subcontractor(s):

**E) ENGINEERING ACTIVITY:**

Observe and document progress

**F) OTHER COMMENTS: (Visitors/Photographs, etc)**

3622 - Repairing track shoe  
3623-3625 Jumper wires welded to pipe and valves  
3626 - ARV ready for backfill

**G) ACTION ITEMS OR OUT-OF-SCOPE ITEMS: (eg, Extra Work, Force Account Work)**

**H) ATTACHMENTS: ( eg, Quantities, Stored Materials))**

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

[Signature]  
RPR Signature

RPR  
Title

9/20/11  
Date