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SUBMITTAL #2, SUMP FILLING ACTIVITIES AT TA-9, LOGBOOK

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1	Logbook	9/12/2001	LOGBOOK FOR SUMP FILLING ACTIVITIES AT TA-9 N/A ER2002-0491 N/A	341	644
2	Form	7/17/2002	ER PROJECT DOCUMENT SIGNATURE FORM FOR ER2002-0491, SUMP FILLING ACTIVITIES AT TA-9 N/A ER2002-0491 N/A	341	644

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SUMP FILLING ACTIVITIES AT TA-9
ER 2002-0491 Logbook

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09-12-01 Wednesday
TA-9 sump filling activities will begin.
DAY 1 - Today we will remove lids from sumps and troughs pressure wash the insides using the pressure washer with the burner off. In the event that ~~we~~ cannot achieve HE negative results of smears taken of the sumps, we will get a required permit, then use the burner on the pressure washer.
Although ER procedures do not apply, as stated in the Statement of work, ER SOP's (Standard Op. Proc.) will be used for guidance as needed
~~Tailgate meeting is conducted~~ LR
~~Crew of Lovie Romero, Peter Gram, Richard Schattel~~ LR
Crew for this project consists of Project manager Peter Gram, Field team leader Lovie Romero, Level II site Safety officer Elmer Alcon LR Alcon, Richard Schattel Field tech.
Project summary: Preparation for field work at TA-9, decontaminating the sumps and troughs, lining them with plastic or other materials, filling them with clean gravel, and concreting over the top of the troughs and sumps. The sumps that will be dealt within this project include TA-9-184 and TA-9-185 (sumps associated with TA-9-22), TA-9-192 (sumps associated with TA-9-33), TA-9-193 (TA-9-34), TA-9-194 (TA-9-35), TA-9-186 (TA-9-37), TA-9-195 (TA-9-40), TA-9-196 (TA-9-42), and TA-9-197 (TA-9-43).
1250 Tailgate meeting is conducted. Special topic ergonomics when lifting sump lids.
1300 Arrival to TA-9-197 (TA-9-43) ~~trough lids~~ LR ~~verification of wires~~ LR verification occurs of wires associated with alarm are removed from circuit box. Black widow spiders are added to safety meeting as biological hazard. trough lids are removed, sump lids are open. Richard starts spraying troughs, Elmer starts photo documentation
HE Spot tests of the trough and sump result as negative
6-8 total swipes were taken. Upon visual inspection of the trough, 2 craves were observed. These cracks will be ~~surveyed as potential LR future~~ LR treated as potential leak points 43 leak 1 and 43 leak 2 photograph on flaging occur at these ~~areas~~ cracks ~60 gallons water was used

09-12-01 wednesday continued

1422 Conduit is removed and light from exterior of building.

1430 crew departs bldg. 43 area.

1444 Arrival at building. Coordination with building personnel determins that today is a good day to wash out troughs/sumps removal of conduit will not occur at this location (TA-9-33; TA-9-192) since wires are still active for the alarm. lids are removed from trough. HE spot test swipes are taken and result as ~~negative~~ positive LR. pressure washing occurs. Additional swipes are taken and result as negative. we will leave this area. ~35-40 gallons of water was used. 1 crack identified

1501 Arrival at building 21 washing will occur at sumps 184, 185 ~~solar panels will not be removed at this time~~ LR. Abandonment of the VC pipe will not occur at this time
Removal of the dishwasher line will not occur at this time
Solar panel assembly is taken down (associated with TA-9-184) prior to pressure washing. HE spot test resulted as negative at both 184 and 185. ~30 gallon of water was used for each sump

1549 CREW ARRIVES AT BLDG 40 TO WASH DOWN SUMP 195 AND ASSOCIATED TROUGHS - WE WILL ALSO TAKE DOWN THE LIS -

1550 LOUIE DEPARTS SITE TO DELIVER SOME EQUIPMENT TO THE DRILL YARD.

1551 PETER AND RICKY VERIFY THAT THE ELECTRICAL LINES TO THE LIS. HAVE BEEN REMOVED AND THE SYSTEM IS PERMANENTLY WITHOUT POWER (i.e. IT IS SAFE TO WORK ON REMOVING THE CONDUIT) -

1556 UPON INITIAL INSPECTION THE TROUGHS TO SUMP 195 APPEAR TO BE VERY DIRTY, ALTHOUGH WE HAVE NOT YET IDENTIFIED ANY SIGNIFICANT CRACKS.

1700 Louie Romero returns to site. crew is at a good stoping point, but will proceed with decon of troughs tomorrow.

1710 Crew departs site

Louie Romero

9-13-01 thursday

0930 ~~Crew of~~ LR Day 2 of sump filling activities at TA-9.
Crew of Louie Romero, Elmer Alcon, Richard Schattel arrive at
HEPS field trailer after filling container w/water that are on
the pressure sprayer trailer. Equipment is gathered for today's activities
which include continuation of task 1 and 5: mobilization / Demobilization /
Inspection / photography / GPS; Task 3: Trough cover and sump lid removal;
Task 2 and 4: Level Indicator Disconnect and Removal; Task 6: Decontamination
and waste water management; and task 7: High Explosive spot testing
of sumps at TA-9.

1000 Tailgate meeting is conducted upon arrival at site (TA-9-40 [TA-9-195])
Special topic of meeting is hearing protection required while pressure
washer is running

1005 Continuation of decontamination continues on troughs and sumps TA-9-195
which are associated with TA-9-40

1045 After final washing, 4 cracks are identified as potential leak points and
are labeled: 40-1, 40-2, 40-3, 40-4, these cracks are also photo
graphed. HE spot test swipes of troughs and sump result as negative.
A total of ~ 120 gallons of water were used for decon of trough/sump.

1130 Arrival at TA-9-42 for sump ~~TA-9-133~~ LR 196. building is locked, we cannot verify
that the electrical wires for ELI have been removed from source

1145 Arrival at TA-9-35 sump TA-9-194, building is locked, verification of
ELI wires removed from source unable to complete. Crew will wash down
troughs and sump; Level Indicator Disconnect & removal will be done at another
time. Sand bags (25) are covering the trough covers, they are
moved to the ~~west side~~ LR North west corner of the building.
~~Contents~~ LR some contents from the sand bags fell into the
trough, and is the majority of sand and gravel contents
present in the trough before wash down occurs. Washdown completed
with ~ 60 gallons of water. HE spot test swipes resulted in negative

1240 Crew will break for lunch, trailer (pressure sprayer will be stored at bldg. 42

1340 Crew returns to site bldg. 42 TA-9-196. Lids are removed and sumps
~~are~~ are washed down. These troughs contain a large amount
of sediment (~ 30 gal) which will be washed into the sump.

1415 Gordon Jio arrives at site just to see how things are going.
Louie Romero explains to Gordon about the sediment issues.

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8-13-01 Thursday continued
which also exist in all the other troughs we deconed, and how the sediment is just going to be washed into the ~~base~~ sump. ~~He did~~ LR Gordon Jio did not have a problem with that, and leaves with the comment that we are doing a good job out here. Pressure washing complete; HE spot testing of troughs and sump result as negative. No cracks are identified upon visual inspection.

1530 Crew departs to TA-9-29 in order to fill our water tanks. Lance ~~Romero~~ LR Romero requested to Joe Valdez that he get a work order going to remove electric wires from ~~active building~~ LR ELI associated with active building TA-9-33, and TA-9-34. Joe said he would take care of that.

1600 Arrival to TA-9-37 for sump TA-9-186. Lids are removed after scraping of gravel ~~on the surface~~ LR present on the surface. trough is washed and sump is washed. HE spot tests are taken and result as negative. Trailer is disconnected and will be left at this site for the overnite. ~~Crew departs the site~~ LR no cracks at this trough. Crew departs the site

Lance Romero

09/14/01 Friday

Day 3 of sump filling activities.

Crew of Louie Romero, Richard Schattel, Elmer Alcon, and Joseph Allen Bird arrive at sight (HEPS field trailers) Equipment is gathered and tasks are assigned. Louie Romero and Richard Schattel will wash down remaining trough/sump, then remove all remaining conduit. Elmer Alcon and Joseph Allen Bird will survey in cracks and patch cracks also. Arrival to TA-9-37 (TA-9-186).

1000 Tailgate meeting is conducted. Trailer is loaded and the team splits up into assigned duties.

1015 TA-9-34 (TA-9-193). Sump lids are opened and trough lids are removed pressure washing begins.

1115 pressure washing complete, HE spot tests taken and results as negative ~50 gallons of water is used.

Elmer Alcon and Alan Bird meet at site,

~~Survey is complete at 40 LR bldg. 40, 4 cracks LR~~

~~Survey is incomplete at bldg. 43 LR~~

Survey is complete at bldg. 43, 2 cracks surveyed in

Survey is incomplete at bldg. 40, 3 of 4 cracks are surveyed in

unable to survey using GPS 40-3 due to overhang

Survey 1 crack at building 33 trough

1150 Crew will break for lunch.

1300 Crew returns to TA-9, Elmer Alcon and Joe Allen Bird will work on filling the cracks that have been surveyed in. Louie Romero and Ricky Schattel will work on removing existing conduit from the inactive buildings. Louie Spoke with Joe Valdez to see if he has successfully gotten out a work order to disconect alarm wires from active buildings 33 and 34. He said that the electricians will do it on monday 09/17/01. Also, joe will unlock buildings 35 and 42 for us since they were locked ~~then~~, a visual verification occurs of wires for alarm are disconnected. removal of conduit begins

1345 Removal of conduit complete, material placed at northeast side of building

1400 Arrival to Bldg. 42 Joe Valdez left the door open for us since it was locked

Conduit is removed inside building from exterior to junction box.

alarm light removal from inside also. ~60 ft of conduit remains inside the building because we could not get to it due to equipment in the way.

external conduit removed. Crew departs the site.

Louie Romero

9-18-01 tuesday

Day 4 of Sump filling activities at TA-9.

7:30 Louie Romero arrives at TA-16 HEPS field trailer to gather equipment and print out daily safety meeting.

7:45 arrival at TA-9; need a signature on the current 1812 (the gravel truck driver's information was added

Today's activities are filling the sumps ~~w~~ UR containing baffels with gravel to top baffel level ~~w~~ UR Louie Romero and Peter Gram will coordinate that task while Richard Schettel and Elmer Alcon construct a funnel out of lumber for smaller ~~baffels~~ UR sump openings. The gravel is being delivered by Kenneth Law of Española Transit Mix and should arrive at gate 431 around 9:00 a.m.

9:31 Richard Schettel and Elmer Alcon are constructing the shute/funnel at the drill yard. Peter Gram, Louie Romero, Ken Law (ETM) arrive at TA-9-43 (TA-9-197) for first gravel drop. approx. 3.5 tons of gravel is droped into sump. Entry will be required to smooth out gravel amongst the baffels. onto next site.

9:50 Arrival at TA-9-35 (TA-9-194) approximately 3.5 tons is dropped into this sump. Entry will be required to smooth gravel amongst the baffles.

10:10 Arrival to ~~TA-37~~ UR TA-9-37 (TA-9-186). Approx. 3.5 tons is dropped into sump. Entry is required to smooth gravel amongst the baffles.

10:30 Arrival to TA-9-34 (sump TA-9-193), approx ½ ton is droped into sump. more ~~gravel~~ ~~UR~~ ~~gra~~ UR more gravel is needed to complete baffle fill of this sump. Truck driver will be escorted off site to pick up 12 tons of gravel.

10:45 meet with Don Sandoval (ESH-5), told him our schedule, he will return this afternoon to oversite some of our work.

11:00 Arrival at drill yard (TA-3-271), to see progress of our chute. chute is complete

11:20 Crew will eat lunch at cafeteria

11:40 Back to gate 431. Crew consists of Elmer Alcon, Richard Schettel, Peter Gram, and Louie Romero. Arrival to building 34 (TA-9-193) an additional load of gravel is poured into sump. ~3 tons of

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9-18-01 tuesday continued
gravel is needed to top off to baffle top.

1210 Arrival to TA-9-21 (TA-9-185 sump). Chute is set up, truck backs in. Seems as if the chute is not going to work. Chute is removed. Truck backs up to sump. Width of dump area on truck is ~12 in wider than sump opening. Elmer Alcon and Richard Schattel will hold a cut piece of heavy duty plywood to direct the excess gravel into sump area. Approx. 3.5 tons of gravel is successfully dispersed into the sump (185).

1220 Arrival at TA-9-186 (TA-9-21) same method of dispersing gravel will be used at this sump (186). Approx 3.5 tons is used to topoff to baffal top. Excess gravel (~2 tons) will be stored near sump 193 ~~(bldg. 39)~~ or (bldg. 34) for later use. Louie Romero will escort Española transit driver off of ~~site~~ or site. Remaining crew will begin removing copper pipe (dishwasher line) ~~from~~ or going from ~~TA-21~~ or TA-9-21 to sump TA-9-185.

1230 Louie Romero returns to site. ~~work~~ dishwasher line removal is in progress, and Elmer Alcon calibrates the air monitor.

1300 Air monitoring begins at TA-9-21 (sump TA-9-184) according to the Confined Space Evaluation (LANL), primary hazards identified were oxygen deficiency, flammable atmosphere, and toxic gas/vapor/fume/aeresol. ~~Upon~~ or The result of our air monitoring showed none of the to be present. Using the Watchman™ Multigas Monitor; serial # HB43072; calibration date 9/6/01 (also calibrated before use today) by Robert Monsalve Jones (who joined the crew prior to confined space entry). Following are our readings

Oxygen %	20.6	20.5
%LEL	0	0
CO	0	0

confined space permit required is downgraded.

1330 entry is made by Elmer Alcon. communication/visual by Robert Monsalve Jones. gravel is leveled, ELI is removed

1335 Dan Sandoval arrives to our site for oversite (safety). ESH-5
plastic is cut and inserted into sump with Super 77 spray adhesive. In this case, 2 layers of plastic will not be used since there is enough plastic ~~to~~ or used to clearly define the clean side from dirty side.

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9-18-01 tuesday continued

1350 TA-9-21 (TA-9-185) Air monitoring see results below

	1350	1355	1400	1405
Oxygen %	20.7	20.7	20.8	20.7
% LFL	0	0	0	0
CO ppm	0	0	0	0

ELI is removed, gravel leveled, plastic is installed. (2 layers).

1436 Arrival to ~~TA-9-~~ ~~or~~ TA-9-43 (TA-9-197)
air monitoring resulted in %O 20.8; %LFL 0; CO ppm 0;
this permit required confined space is downgraded

1455 Crew takes a break at TA-9-29. Louie Romero coordinates the delivery of 30 tons of gravel (La Farge) to be delivered on wednesday 9/19 between 1 and 2 p.m. Also, Los Alamos Transit is on task to deliver 20 yards of gravel on monday at 12:30. This delivery may be recoordinated with another company for an earlier delivery.

1515 Coordination is made with Jerry Atencio regarding confined space TA-9-195 (TA-9-40), he assesses it and says to treat it like the others. This is the sump which did not have a confined space evaluation. Jerry will get us a number (csp #) but we can go ahead and work in it.

1520 Arrival to ~~TA-35-9~~ TA-9-35 (TA-9-194) ELI is removed gravel is leveled after an air monitoring evaluation is performed
%O_2 20.6 ; LEL 0 ; CO 0 ppm.

1540 Arrival to TA-9-40 (TA-9-195)

air monitoring	1542
O_2 %	20.6 ~~20.8~~
%LFL	0
CO	0

plastic liner is installed, crew will procede to the next sump

1600 Arrival to building TA-9-34 (sump TA-9-193) visual verification cannot be made since this is an active building, therefore ELI will not be removed, gravel will be leveled and plastic will be loosely installed.
air monitoring: %O_2 20.8 ; %LEL 0 ; CO 0 ppm;
permit required confined space is downgraded. Tasks complete

1630 Crew departs the site after a closing calibration of the air monitor

Louie Romero

9/19/01 wednesday

8:30 Crew arrives at site

Day 5 of sumpfilling activities at TA-9

Crew arrives at site. TA-9-37 (sump TA9-186). Crew Consists of Louie Romero, Elmer Alcon, Robert Monsalve-Jones, and Richard Schattel. ~~This~~ we Plan of day is to remove remaining conduit from bldg. 37, 33 and 34. Line remaining sumps associated with bldgs 37, 33 and 42. Fill sumps with gravel within 4" from the top.

900 Tailgate meeting is conducted by Elmer Alcon.

915 work begins at TA-9-37 (sump-186) Richard Schattel and Robert Monsalve-Jones remove conduit. Elmer Alcon Calibrates the Watchman™ Multigas Monitor; serial # H843072; calibration date 9/6/01 (also calibrated before use); and operation check completed. Louie Romero will work on filling out the ~~for~~ we permit for the confined space entry. Air monitoring occurs

% O_2 20.3; % LFL 0; CO ppm 0; conduit is removed completely. sump is lined with plastic.

1000 Crew moves to TA-9-42 (sump TA-9-196) remaining conduit is removed ~~afe~~ we after air monitoring

% O_2	20.3 10:01	20.2 10:03	20.2 10:04
% LFL	0	0	0
CO ppm	0	0	0

plastic lining is complete.

1026 ~~TA~~-9-33 (sump TA-9-192) Personnel is present inside of building. one of them escorts robert-monsalve jones into building to visually varify the disconnect of wires for alarm from circuit box. removal of conduit begins by Richard Schattel and Robert Monsalve Jones.

1032 Don Sandoval arrives at site for ESH-5 oversighte. external conduit is removed. Sump is lined. internal conduit runs into a j-box containing live outlets. Met with Joe Valdez, he contracted manuel cordova who meet us at TA-9-33. Manuel Cordova locks out the circuit breaker (appropriate) for the j-box. Richard Schattel removes conduit the electrician waits for us to finish, then he will unlock circuit. Conduit removed.

1130 Crew departs site to drill yard to perform modifications to chute

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9/19/01 continued

1140 Chute legs are chaped 8 inches. It will now fit under a dumping dump truck.

1200 Crew depart to the office to pick-up camera, modified 1812 with LaFarge drivers, and drop off Robert-Monsalve Jones. we will also break for lunch

1300 Crew groups and gear heads out to field. The P.M. crew consists of Louie Romero, Peter Gram, Richard Schattel, and Elmer Alcon. Louie heads to TA-16 to pick up ~~one~~ 3 ER badges, TA-9 to get initials by Cheryl Sanchez for ammended 1812. Then heads to gate 431 where crew waits along with 1 of 3 gravel trucks. The 1st gravel truck holds 10.27 tons of gravel.

1315 ~~Arrival~~ LR Elmer Alcon and Peter Gram will be pulling the remaing conduit of TA-9-~~4~~ 34, while Richard Schattel and Louie Romero will escort the gravel truck for Sump fills.

1330 Arrival to TA-9-43 (TA-9-197). Truck backs up to sump and dumps gravel into the sump. ~8 yards is used (TA-9-197)

TA-9-42 sump filled with gravel (TA-9-196)

TA-9-35 sump filled with gravel TA-9-194

TA-9-40 sump filled with gravel TA-9-195

TA-9-34 sump filled TA-9-193

~~TA-9-35~~ 21 sump TA-9-185 filled

TA-9-21 sump TA-9-184 filled 1/2 ways.

additional gravel is ordered from LaFarge to complete the fills

1645 Crew departs the site

Louie Romero

This page not used.
Luis Romero

09/20/01 thursday day 6

0800 Crew meets at ITbuilding. Ricky Schattel Runs to drill yard to get cutter/welder trailer for todays task of removing sump lids. Louie Romero Completes Burn Spark-or Flame-producing operations permit. Elmer Alcon is completing tasks associated with another project. Burn permit is complete, daily tailgate meeting is prepared. Trailer containing welder/cutter is mobilized to site. Crew departs site for lunch break and to gather PPE needed for today's task. (leather chaps and goggles.)

1300 Crew returns to site. Arrival to TA-9-43 (sump TA-9-197). Tailgatemeeting is conducted. Torch is prepared. Richard Schattel will be the torch operator; Louie Romero will be the fire watch; Elmer Alcon is the Safety and Environmental - Responsible Line Manager/Supervisor (all this is documented on the burn-permit.

1315 Don Sandoval arrives to site for ESH-5 safety overview.
Cutting begins. Cutting is complete, Lids are successfully removed, excess plastic is cut off. Spray adhesive is applied to side and the expansion joints are added around the sump. Elmer Alcon stays at site to complete the 30 minute fire watch and complete adding the expansion joints. Louie and Ricky and Don Proceed to the next site

1430 Arrival to TA-9-42 (TA-9-196). torch is set up and cutting begins. Elmer Alcon conducts a less on on torch use.

1440 Cutting begins by Richard Schattel. Cutting is complete. Richard and Louie move onto TA-9-40 (TA-9-195). lid is cut and expansion joints added.

1500 Crew moves to TA-9-35 (TA-9-194). Torch cuting begins of lids or sumps expansion joints are added.

1543 Arrival at TA-9-34 (TA-9-193) lids are cut off and expansion joints are inserted.

1608 Arrival at TA-9-37 (TA-9-186), lids are cut, but left in place since there is no gravel is sump. Trailer containing welder/cutter is unloaded and will be left at this site. Crew departs site.

1700 To office to prep for tomorrow activities

09-21-01 Friday Day 7

0800 Crew of Louie Romero and Peter Gram gather at office. Elmer Alon will join us later. Tailgate meeting is conducted

815 Elmer Alon joins the crew.

830 2 gravel trucks arrive to fill the remaining sumps.
sump at building 37 filled. Sump at building 33 filled
extra gravel is staged at ~~TA-40 and TA~~ TA-9-40 and bldg. 34
Gravel trucks are escorted off-site.
Elmer Alon leaves the site for waste shipment coordination associated with another project.
Louie Romero and Peter Gram return to the site. TA-9-184. excess plastic is cut and expansion ~~joints added~~ UR joints added. Also, visual verification of wires for alarms/conduit inside of building 21 verified. Keys for building 34 are checked out of DX-2 group office. Conduit is removed from inside of building 34.

1130 Crew breaks for lunch.

1200 Crew arrives at Drill yard. Coordination is made with Lorenzo Martinez for an equipment pick-up associated with another project.

1300 Crew back at TA-9. Upon inspection, discovery is made of TA-9-34 (TA-9-193) sump being only 1/3 full. ~~Excess gra~~ UR Stockpiled gravel will be shoveled into the sump.
Louie Romero leaves site as an attempt to buy a wheel barrel.
Wheel barrel is unavailable.
Shovel work ~~continues~~ UR continues.

1600 Kevin Reid and Kristi Beguin arrive at site.
They are here to help us with shovel work.
Stock pile at bldg. 34 is exhausted. Crew moves to building 40 to fill truck with gravel to transport to 34.

1730 Crew departs the site.

Louie Romero

This page was not used.
Lorie Ramsey

09/24/01 monday day 8

7:00 Crew of Louie Romero, Peter Gram, Elmer Alcon, and Richard Schattel meet at IT building.

7:30 Crew arrives at site. Today we will prep the troughs/sumps for the concrete delivery scheduled for today around ~~10:30~~ 12:30 Additional Concrete delivery is scheduled for thursday at 1230

800 Tailgate Safety meeting is conducted

Crew fills troughs at bldg. 40 with gravel.

Crew discussed the use of the expansion joints. In order to enhance the concrete as a water proof seal, the expansion joints will not be used. This is a deviation from the work plan.

Team inspects each sump to ensure they are ready for concrete.

Concrete expansion joints that ~~are~~ we have been installed are removed.

10:30 Crew breaks for an early lunch. Also Louie Romero picks up amended 1812 that has the ~~española tr~~ LosAlamos transit mix drivers information.

450 Crew arrives at TA-16 field trailers to get drinking water and tools needed for Concrete finishing.

1230 1st of 2 concrete trucks arrives. This truck contains 10 yards of concrete. Louie Romero and Richard Schattel will coordinate concrete pouring, followed by Elmer Alcon and Peter Gram to trowel and smooth out the finish.

1st building is TA-9-43 (sump TA-9-197). Concrete is poured into the trough and sump. Peter Gram and Elmer begin the finishing touches, Richard and Louie move to next site.

TA-9-42 (sump TA-9-196) Concrete is poured into the trough/ and sump/

TA-9-40 (sump TA-9-195) concrete is poured into the trough and sump

TA-9-35 (sump TA-9-194) concrete is poured into the trough and sump

~~TA-9-~~ trough only 1/2 complete since we used all 10 yards.

truck is cleaned and escorted of site. The second truck is waiting at the gate.

TA-9-35 (sump TA-9-194) trough fill is completed.

TA-9-37 (sump TA-9-186) trough/sump are filled with concrete.

TA-9-34 (TA-9-193) trough/sump are filled with concrete.

TA-9-33 (TA-9-192) trough/sump are filled with concrete.

Truck is empty, so it is cleaned and escorted off site.

Richard Schattel and Louie Romero meet up with Elmer Alcon and Peter Gram to assist with finish work.

[signature]

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9-24-01 continued

17:00 LR ~~crew~~ crew is at TA-9-35 (TA-9-194) finish work is complete.
TA-9-37 (TA-9-186) finish work is complete
TA-9-34 (TA-9-193) finish work is complete
TA-9-33 (TA-9-192) finish work is complete.
~~TA-21~~ LR TA-9-21 (sumps 184 and 185) are not completed, but are scheduled for completion on thursday.
We are scheduled for a 12:30 delivery of concrete
~~Crew left~~ LR tools are cleaned with running water and a wire brush.

1900 Crew departs the site.

Luis Romero

9-27-01 Thursday day 9

0800 Crew of Louie Romero, Peter Gram, and Richard Schattel arrive at IT building. Plan of day is to ~~concrete~~ concrete cap the last 2 remaining sumps associated with TA-9-21 (sumps 185 and 184), also remove remaining ~~co~~ LR internal conduit from bldgs. 21 and 43.
Crew goes to LA Home improvements to purchase 27 bags of ready mix concrete, to drill yard to borrow a cement mixer, then to TA-16 to fill water tank and gather sledge hammers to break concrete piles (extra)

11:00 Crew arrive at TA-9-21, location of 2 remaing sumps.

11:10 Tailgate meeting is conducted.

1120 trailer is unloaded and crew breaks for lunch

1200 Crew goes to drill yard to pick up (2) 5 gallon buckets to transport water from spout into mixer (concrete). Elmer Alcon joins the crew.
Elmer is briefed on the Tailgate safety meeting, then signs it.
Crew begins mixing concrete to fill sump TA-9-185. 17 bags or redimix is used. Concrete is smoothed with trowels.
Crew moves mixer to sump TA-9-184. Louie Romero ~~runs~~ LR drives to town to pickup more bags of redimix concrete.
Crew uses all bags of redimix, so they remove internal conduit from TA-9-21. Conduit removal is complete
Louie Returns with more redimix concrete. Crew continues with concrete mix/fill of sump TA-9-184. Concrete fill is complete
Each location (2 sumps) is photographed.

1530 Equipment is washed down.
Peter Gram is returned to the IT building after returning the concrete mixer to the drill yard

1625 Louie Romero, Richard Schattel, and Elmer Alcon return to the site.
~~Each site is~~ LR Each sump location is cleaned up. Caution tape is picked up and cones removed. Excess gravel and concrete is shoveled up.

1745 Crew departs the site

Louie Romero

The rest of this logbook was not used

Lou Romero
9/28/2001