

MEMORANDUM

CH2MHILL

**Iron Mountain Mine
High Density Sludge Treatment Plant
CH2M HILL Subcontract No. 118**

AR0068

Daily Inspection Reports

TO: Cynthia Wetmore/U.S. EPA, Region IX, San Francisco
FROM: C.J. Adamo/CH2M HILL, IMM-Redding
DATE: October 29, 1996

Cynthia enclosed are a copy of the daily Inspection reports and conversations with Joe Cogliati/SMC

Regards C. J. Adamo

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

CH2M HILL SUBCONTRACT NO: 118
EPA WORK ASSIGNMENT NO: 31-54-9P17
CH2M HILL PROJECT NO. 110828.08.02
SUBCONTRACTOR: EIMCO

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CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Thursday DATE: 10/17/96 WORK PERIOD 07:00 TO 16:30

WEATHER: 70 degrees, Partly Cloudy

NUMBER & CLASS OF PERSONNEL ON SITE:

Titan (11)
RTA (12)
Calif. Prof. Painting (5)

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE

NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
2	Cranes / Grove RT-30,RT-522	30 tons, 22 tons	± 8
1	Payloader / Caterpiller	950C	± 8
1	Flat Bed Truck/trailer with Crane / Series 500 B	9350 lbs	± 8

WORK ACCOMPLISHED:

RTA continuing to fit the sludge and water (steel) pipelines together at Conditioning Reactor "A". They are also working on the touch up painting. RTA has cut the floor of the reactor platform at the mixer MX-1 and has placed a (barricade, handrail) around the approximately 6' by 4' hole. The wood decking removed is cracked and splintered and cannot be reinstalled. The new decking is authorized by Chris.

2 RTA Workmen in protective clothing are prewashing down the tank from above to remove as much scale and slurry as possible during draw down of the reactor. After the tank is washed RTA has disconnected the old blower and will be placing it where Ron/SMC has requested.

RTA will open the tank manway. The inside of the tank is relatively clean there is not as much residue inside the tank as expected. 15:30 RTA has put on the protective clothing and are just going to get started on the dismantling of the old impellers. Titan continues to weld at the thickener tank. Calif.Prof. Painting continues painting the tank Thickener. RTA has been told to wash the area outside of the Reactor TK-1 to keep the concrete staining down from tank residue. Titan has also been working on placing the stainless steel weir.

Conversations with Joe Cogliati/SMC: This morning Joe and C.J.Adamo met at 9:00 to lock-out mechanical and electrical features associated with reactor tank TK-1. On the AMD pipeline, a blind spectacle was installed and the three way valve was locked-out. All lime slurry valves were double locked out as were utility water and reactor slurry valves were double locked out. In the MCC building, MX-1 and BL-1 starters at MCC-2 were locked out with double locks.

Continued on the following Sheet

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

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EPA WORK ASSIGNMENT NO: 31-54-9P17
CH2M HILL PROJECT NO. 110828.08.02
SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Friday DATE: 10/18/96 WORK PERIOD 07:00 TO 11:00

WEATHER: 60 degrees, Rain

NUMBER & CLASS OF PERSONNEL ON SITE:

RTA (10)
All others not able to work due to rain.

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE			
NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
1	Cranes / Grove RT-30,	30 tons,	± 4
1	Flat Bed Truck/trailer with Crane / Series 500 B	9350 lbs	± 4

WORK ACCOMPLISHED:

RTA workmen in protective clothing enter Reactor TK-1 to demo existing air diffuser and supports, air piping, and existing weir. They are wearing Poly tyvek, rubber boots, face shields goggles, and we have placed numerous bottles of eye wash around the areas. Titan is off today. CDC's Bill Ross, Fred Foot, T.K. and Jerry Nordal/CH2M are here today. TK and Kevin have visited the reactor platform and the bent section. T.K. is reviewing structural details and will make recommendations in writing for required modifications. Jerry, Bill and Fred are meeting with Joe Cogliati/SMC and their operators and are going over the Wanderware and Modicon PLC operation programs for the HDST Plant PIC system. RTA continuing to work on installing utility pipe and removed from TK-1 the old Impellers.


INSPECTING ENGINEERS SIGNATURE 10/18/96
DATE

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

CH2M HILL SUBCONTRACT NO: 118
EPA WORK ASSIGNMENT NO: 31-54-9P17
CH2M HILL PROJECT NO. 110828.08.02
SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Monday DATE: 10/21/96 WORK PERIOD 07:00 TO 16:30

WEATHER: 66 degrees, clear sky

NUMBER & CLASS OF PERSONNEL ON SITE:

- Titan (8)
- RTA (10)
- Electro Solutions (3)
- California Prof. Painting (5)

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE			
NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
2	Cranes / Grove RT-30,RT-522	30 tons, 22 tons	± 8
1	Payloader / Caterpiller	950C	± 8
1	Flat Bed Truck/trailer with Crane / Series 500 B	9350 lbs	± 8
	Lift Truck	500 lbs	±8

WORK ACCOMPLISHED:

RTA workmen are in protective clothing to enter the reactor tank TK-1 to continue demo of existing air diffuser and supports, air piping, and the existing weir. They are wearing Poly tyvek, rubber boots, face shields or goggles, rubber gloves, and we have placed numerous bottles of eye wash around the areas. Titan has sent 4 of their welders and helpers to Owensburo, KY. as their work is substantially complete, Titan has started to repair the weld in the center column. Titan also started making final repairs in the thickener shell where minor grinding is needed to make a smooth finish. New Blowers BL-1 and BL-2 have arrived by trucks and RTA has unloaded them. RTA is continuing to place the steel pipelines in line and working on the trough from Reactor "A" After inspection of the thickener super-structure steel bridge and center well platform, Kevin met with Calif. Prof. Paints to indicate areas which would require final touch-up painting. **Conversations with Joe Cogliati/SMC:** Joe and C. J. Adamo met this early morning to review the Reactor TK-1 progress and MCC-2 modifications. As discussed with Joe, a laydown area has been established on site for salvage of SST implellers, air piping, supports, outlet weir, mixer motor, cable conductors, and shaft cut-off piece. This salvage area is located at the southwest corner of the existing plant out of the way of traffic and operations. Chris informed Joe that Ron/SMC wants the old Blower located between Silos and that it would be located their today. Joe and Chris reviewed the MCC-2 logistics for the week. Chris informed Joe that an approximate 4 hour shutdown of MCC-2 for a MX-1 soft starter change over from 150 hp to 200 hp and provide temporary BL-2 soft starter relocation for existing treatment train. Joe said he is continuously treating at this time and that this shutdown would require him to use the AMD storage tank to accommodate the shutdown. Chris told Joe that he understood the situation and that we were working on a sequence to minimize the shutdown. This MCC-2 shutdown is tentatively schedule for Wednesday of this week.

Kevin A. Roberts 10/21/96

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

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SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Tuesday DATE: 10/22/96 WORK PERIOD 07:00 TO 16:30

65 degrees, clear sky to partly cloudy

NUMBER & CLASS OF PERSONNEL ON SITE:

Titan (8)

RTA (10)

Electro Solutions (3)

California Prof. Paints (5)

Systems Automation (5)

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE

NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
2	Cranes / Grove RT-30,RT-522	30 tons, 22 tons	+ 8
1	Payloader / Caterpillar	950C	+ 8
1	Flat Bed Truck/trailer with Crane / Series 500 B	9350 lbs	+ 8
1	Lift Truck	500 lbs	+8
1	Back hoe / Caterpillar		

WORK ACCOMPLISHED:

RTA finished reactor removal of existing equipment and started installing 10-inch SST pipeline.

RTA is wearing Poly tyvek, rubber boots, face or goggles, rubber gloves, and we have placed numerous bottles of eye wash around the areas. Titan is welding on the center column. California Paints is continuing to sand blast and paint on the southeast corner of thickener inside shell.

System Automation have started the relocation of the power line. RTA has sent the Impeller shaft to get retrofitted. They continue to work on the sludge return, utility water, and waste pipelines and valving on the platform. RTA also installed the first section of the new independent walkway. RTA is also working new blower and placing it into the proper position. Electro Solutions are working on connecting the cables into the MCC building at new MCC-4.

Conversation with Joe Cogliati/SMC: C. J. Adamo and Tom Craft/System Automation review with Joe the over-head main power line installation to a duct bank installation. Joe ran the AMD plant on the emergency generator system during the change over. At 9:00 pm P. G. & E. power was restored to the plant.


INSPECTING ENGINEERS SIGNATURE

10/22/96
DATE

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

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CH2M HILL PROJECT NO. 110828.08.02
SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Wednesday DATE: 10/23/96 WORK PERIOD 07:00 TO 16:30

65 degrees, Partly Cloudy, and Rain

NUMBER & CLASS OF PERSONNEL ON SITE:

Titan (8)
RTA (10)
Electro Solutions (3)
California Prof. Paints (0)

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE			
NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
2	Cranes / Grove RT-30,RT-522	30 tons, 22 tons	<u>+ 8</u>
1	Payloader / Caterpillar	950C	<u>+ 8</u>
1	Flat Bed Truck/trailer with Crane / Series 500 B	9350 lbs	<u>+ 8</u>
1	Lift Truck	500 lbs	<u>+8</u>
1	Back hoe / Caterpillar		

WORK ACCOMPLISHED:

RTA continues the placement of the independent walkway, (hand rails, etc.). They also continue to work on the new piping systems (lime loop, utility water etc.) they are working on new AMD stainless steel pipeline also at Blower BL-1, the acoustical blower enclosure has started to be erected in place around the new blower. At MCC-2,, the electricians continue to organize for the shutdown of tomorrow at approximately 11:00. Joe Cogliati/SMC is notified of same by Chris. At MCC-4 conductor termination's continue for new sludge and waste pumps, thickener drive mechanism, new mixer MX-11, and lifting devise. Titan is working on final weld on the center column.

Kevin A. Pelt 10/23/96
INSPECTING ENGINEERS SIGNATURE DATE

**IRON MOUNTAIN MINE
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SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Thursday DATE: 10/24/96 WORK PERIOD 07:00 TO 16:30

60 degrees and Raining

NUMBER & CLASS OF PERSONNEL ON SITE:

Titan (4)

RTA (11)

Electro Solutions (2)

California Prof. Paints (0)

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE

NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
2	Cranes / Grove RT-30,RT-522	30 tons, 22 tons	± 8
1	Payloader / Caterpillar	950C	± 8
1	Flat Bed Truck/trailer with Crane / Series 500 B	9350 lbs	± 8
1	Lift Truck	500 lbs	±8

WORK ACCOMPLISHED:

At the Thickener center column, Titan completed the welding of the column steel connection. RTA continued to install the 8-inch lime loop piping and valves at Reactor "A" platform. RTA continued to install the acoustical enclosure at new Blower BL-1. Inside Reactor TK-1, RTA ground SST surfaces for welding on the new outlet weir and completed tack welding of new extended 10-inch sst air piping. On Reactor Platform, new Mixer MX-1 motor was installed less motorshaft coupling. Sludge piping and valves on Reactor Platform continues to be installed.

At MCC-4, final terminations continue to be made for new equipment at the Thickener and new sludge and waste pumps. California Prof. Painting could not work today do to rain.

Conversation with Joe Cogliati/SMC: Joe and Chris with Larry Toney/Electro Solutions shutdown MCC-2 at the 1200 AMP breaker on switchgear with double locks. Joe organized his operators for the shutdown of Max. 4 hrs. Larry and crew change out MX-1 soft starter breaker and other components. Larry also installed the temporary BL-2 soft starter and began to prepare for the removal of one section of the MCC-2 for new blower soft starter equip. These modifications were completed in 2 hours. Joe and Chris removed lock-out condition and Larry re-started MCC -2 and systems were checked out. Joe instructed his operators to commence treating at reactor TK-2. Reviewed with Joe the next shutdown required at MCC-2

This shutdown will allow for the installation of the new 250 hp BL-1 and BL-2 soft starters and MCC Electric Buss connection. The shutdown is scheduled for Friday, November 1, 1996


INSPECTING ENGINEERS SIGNATURE

10/24/96
DATE

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

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SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Friday DATE: 10/25/96 WORK PERIOD 07:00 TO 15:30

55 degrees and Raining, with Partial Clearing

NUMBER & CLASS OF PERSONNEL ON SITE:

Titan (4)

RTA (11)

Electro Solutions (0)

California Prof. Painting (0)

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE

NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
2	Cranes / Grove RT-30,RT-522	30 tons, 22 tons	+ 8
1	Payloader / Caterpillar	950C	+ 8
1	Flat Bed Truck/trailer with Crane / Series 500 B	9350 lbs	+ 8
1	Lift Truck	500 lbs	+8

WORK ACCOMPLISHED:

This morning, the center column weld was x-rayed by Titan's material testing welding service for final testing and certification of the thickener. Chris was notified by Steve/ Titan that the welds had passed and written certification to be transmitted upon receipt. Inside Reactor TK-1 the newly keyed 7-inch SST shaft was returned to the site and installed onto MX-1 mixer gearbox. New CD-6 impellers were installed on shaft. Between Reactors TK-1 and TK-2 new 24-inch SST piping was tied-in to the existing reactor effluent piping. This new piping is discharged into the Thickener influent trough. RTA continued to installed the 2-inch flushing water pipeline and began to install the 4-inch conditioning Reactor "A" lime loop extension piping and valves. The new Blower BL-1 acoustical enclosure was substantially completed. After dry installing the BL-1 discharge piping the new Blower was anchored to the existing concrete pad. Clean-up day and construction debris is hauled off site. General site clean-up to continue on Monday. California Prof. Painting was unable to paint do to rain. Two paint days were lost due to rain. Chris informed the painter to work Saturday and Sunday to make-up the lost time and to finish the thickener inside shell and prime coat the last remaining section of the outside shell.


INSPECTING ENGINEERS SIGNATURE

10/25/96
DATE

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

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CH2M HILL PROJECT NO. 110828.08.02
SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Monday DATE: 10/28/96 WORK PERIOD 07:00 TO 16:30

60 degrees sunny to Overcast skies

NUMBER & CLASS OF PERSONNEL ON SITE:

- Titan (4)
- RTA (11)
- Electro Solutions (2)
- California Paints (0)

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE

NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
2	Cranes / Grove RT-30,RT-522	30 tons, 22 tons	± 8
1	Payloader / Caterpillar	950C	± 8
1	Flat Bed Truck/trailer with Crane / Series 500 B	9350 lbs	± 8
1	Lift Truck	500 lbs	±8

WORK ACCOMPLISHED:

Chris had talked to John Rivera of California Prof. Painting with a request to clear-out their staging area and their week-end set-up site by Tuesday evening to allow RTA to begin their grading and paving of the road which encircles the tank. They also removed their equipment from the inside of the tank so George from EIMCO could be allowed to rotate the rake arms and check the leveling of the arms. George has checked the level of the rake arms and they are well within specs. RTA continues to work on the acoustical sound walls and the exit pipe of the new blower BL-1. RTA's welders are welding in the Reactor and some of the 6-inch sludge lines which are located the platform. Larry Toney and his crew are continuing with wiring the new Blower BL-1 and wiring the new starter in MCC building. Titan continues to prepare for departure and are waiting for the go ahead from George to be able to start to weld up the rake arms. **Conversation with Joe Cogliati/SMC:** C. J. Adamo met with Joe up on the platform to review this weeks planed activities. Chris informed Joe that installation of the new BL-1 and BL-2 is scheduled to start on Friday 11/01/96 do to an equipment delivery by Allen and Bradley. They have been authorized for air shipments. Chris and Joe met Larry Tone/Electro Solutions and coordinated relocation of existing treatment control wires and new Blower controls. Existing B/L-2 soft starter was energized in its temporary location today so that more work can be accomplished on modifying MCC-2. Joe and Chris discussed potential list items Joe has in mind which he will want added or changed. Joe said he would like to get together and review certain features. Chris has suggested in two to three weeks when most piping and electrical will be installed. We will work on this item together. Joe mentioned that he has his operators review the O. and M. Manuals that were delivered by Chris last week. Joe intends to book train his operators by these review sessions. He said it takes 6 weeks for his operators to be trained because of operators rotations from day shift to graveyard schedule. His focus in Volume 1 of O. M. Manual. Chris informed Joe that Volumes 3,4 and 5 were manufacturer specific for their equipment.

Kenn A. Robt
INSPECTING ENGINEERS SIGNATURE

10/28/96
DATE

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

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SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Tuesday DATE: 10/29/96 WORK PERIOD 07:00 TO 09:00

WEATHER: 52 degrees, Rainy, (light and steady)

NUMBER & CLASS OF PERSONNEL ON SITE:

Titan (6) EIMCO (1)
RTA (4)
Electro Solutions (3)

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE			
NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
1	Crane / Grove RT-30,	30 tons,	± 4

WORK ACCOMPLISHED:

RTA and their lower tier subcontractors (welders) showed up on site. Mark had release 90% of his crew due to the rain, 4 men are staying. They are working on the 6" sludge return pipeline on the walkway. Both welders tried to work in the heavy rain they even tried to place rain shelters around their working area, but the rain was to intense. Ted, the foreman and some of the crew placed bails of straw around the site to minimize the erosion on key points of the site. Chris, Mark Trawick (RTA), and George Foster (EIMCO) talked and discussed the impacted of the rain and what it is going to take to get us back on schedule. Electro Solutions continued to make modifications to MCC-2 for the Mixer and Blower retrofit. One Electrical sub-cabinet was removed and wiring re-routed to accommodate the two new BL-1 and BI-2 soft starters and control wire circuits. Also in MCC building, started working in I/O cabinet A running conductors for blower temperature control instrumentation. Chris checked on delivery of Allen-Bradley BL-1 and BL-2 soft starters; no change from Friday November 1 delivery reported.

Kevin A. Roberts 10/29/96
INSPECTING ENGINEERS SIGNATURE DATE

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

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SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Wednesday DATE: 10/30/96 WORK PERIOD 07:00 TO 16:30

WEATHER: 66 degrees, clear skies

NUMBER & CLASS OF PERSONNEL ON SITE:

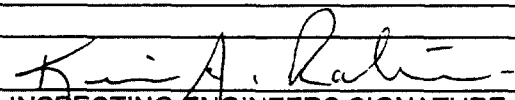
Titan (6)
RTA (12)
Electro Solutions (3)
California Prof. Painting (2)
Systems Automations (3)
EIMCO (1)

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE

NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
2	Cranes / Grove RT-30,RT-522	30 tons, 22 tons	+ 8
1	Payloader / Caterpiller	950C	+ 8
1	Flat Bed Truck/trailer with Crane / Series 500 B	9350 lbs	+ 8
	Back Hoe/Cat/418B	?	6
	Lift Truck	500 lbs	+8

WORK ACCOMPLISHED:

RTA continues to work on the 6" sludge lines. The welder from Diamond Welding is now welding the SST AMD pipeline.
RTA is attempting to drain the rain water from the center of the Reactor TK-1 tank. They are also starting to fine grade the perimeter roadway around the Thickener tank, (level to grade) and to run the sludge return line in the center of the Thickener column.
Electro Solutions is running wire to hook-up power to mixer motor MX-1 at TK-1 Tank.
Larry Toney continues to work in the MCC building. Titan Steel started to weld the rake arms together and they have finished bolting the SST weir to the launderer of the Thickener. Systems Automation returned to the site and began to relocate the filter pump station fiberoptic control line and electrical reclosure cable from overhead to a duct bank condition. Pulled out communication pole today. **Conversation with Joe Cogliati/SMC:** Chris spoke to Joe on the latest update of delivery of BL-1 and BL-2 soft starters to IMM which are still due Friday, Nov. 1 1996. Reviewed with Joe the start-up activities scheduled for next week with MFTR's services on Nov. 6 and 7. They talked about the rain and Joe said the Plant measured 2.6-inches of rain over a 36 hour period.
AMD influent is at 103 gpm's today. Also reviewed filtrate pump station design of 3 constant speed pumps designed to run on 2 pumps with one pump in standby. Joe said each pump can deliver 1,500 gpm. Putting the 3rd pump does not significantly increase flow do to piping restrictions. The filtrate pump station wet well has a overflow built in with discharge to Flat Creek.


INSPECTING-ENGINEERS SIGNATURE

10/30/96
DATE

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SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Thursday DATE: 10/31/96 WORK PERIOD 07:00 TO 16:30

WEATHER: 66 degrees, clear skies

NUMBER & CLASS OF PERSONNEL ON SITE:

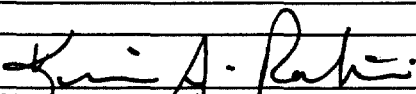
Titan (6)
RTA (12)
Electro Solutions (3)
California Prof. Painting (2)
Systems Automations (3)
EIMCO (1)

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE

NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
2	Cranes / Grove RT-30,RT-522	30 tons, 22 tons	+ 8
1	Payloader / Caterpiller	950C	+ 8
1	Flat Bed Truck/trailer with Crane / Series 500 B	9350 lbs	+ 8
1	Back Hoe/Cat/418B	418B	+6
1	Lift Truck	500 lbs	+8

WORK ACCOMPLISHED:

RTA continues to work on the 6" sludge return lines. The welder from Diamond Welding is welding the SST AMD pipelines. The welder is also welding the stainless steel diffuser in Reactor TK-1 the tank is complete ready for test run. They are grading the road around the perimeter of the Thickener. They are also digging the hole for the new DI that will be installed in the triangle at the road way entrance and continuing to place the sealer on the joints of the Thickener floor. (45% complete) Electro Solutions is running wire to hook-up power to mixer motor MX-1 at TK-1 Tank and making final termination's. Larry Toney continues to work in the MCC building. Titan Steel continues to weld the rake arms and start to load the rest of their equipment onto their trucks, they should be done Saturday and they are gone from the site. Systems Automation completed the relocation of the Fiberoptic and reclosure cables. Mike Tidwell/CH2M HILL arrived at 12:30 to review the O & M manual. Chris received final confirmation today that the Allen-Bradley BL-1 and BL-2 new soft starter will be air freighted to Sacramento this am. The starter will be ready for pick-up at approximately 10:00 am on Friday. Chris has authorized Larry Toney/elctro Solutions to drive to Sacramento to pick-up the starters and return to Redding. Chris also authorized Larry and his crew to work Saturday, Nov. 2 and install the new Blower Starter.


INSPECTING ENGINEERS SIGNATURE

10/31/96
DATE

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

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SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Friday DATE: 11/01/96 WORK PERIOD 07:00 TO 16:30

WEATHER: 68 degrees, clear skies

NUMBER & CLASS OF PERSONNEL ON SITE:

- Titan (6)
- RTA (12)
- Electro Solutions (1)
- California Prof. Painting (4)
- Systems Automations (3)
- EIMCO (1)

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE			
NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
2	Cranes / Grove RT-30,RT-522	30 tons, 22 tons	+ 8
1	Payloader / Caterpilar	950C	+ 8
1	Flat Bed Truck/trailer with Crane / Series 500 B	9350 lbs	+ 8
1	Back Hoe/Cat/418B		+6
1	Lift Truck	500 lbs	+8

WORK ACCOMPLISHED:

RTA is on the bridge working on the 2-inch water lines and also the 10-inch sludge return line. They have excavated at the beginning of the entrance way of the perimeter roadway for the installation of the new drainage inlet. Shasta Redi Mix is here pouring concrete at the splice of the new DI to the underground drainage pipe. RTA continuing to stake the perimeter roadway and work on the final grade. (preparing for asphalt on Tuesday) Three man RTA crew continuing to apply the sealer on the floor of the Thickener, approximately 40% done. Titan has completed the welding of the rake arms and they are continuing to pack-up their equipment for departure. California Professional Painting crews continue to remove the blasting sand from the concrete slab of the Thickener. Larry Toney/Electro Solutions picked-up the BL-1 and BL-2 soft Started today in Sacramento and return to Redding late afternoon. **Conversation with Joe Cogliati/SMC:** Chris and Joe coordinated the MCC-2 shutdown for Saturday, November 2. The shutdown will start at 8:00 am and last approximately 8 hours while Larry and crew install the new MCC-2 Buss and Blower Soft Starters. Chris notified Joe that CH2M HILL will be on-site monitoring the shut-down and work at MCC-2 on Saturday.

Kuni A. Rahi
INSPECTING ENGINEERS SIGNATURE

11/01/96
DATE

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

CH2M HILL SUBCONTRACT NO: 118
EPA WORK ASSIGNMENT NO: 31-54-9P17
CH2M HILL PROJECT NO. 110828.08.02
SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Monday DATE: 11/04/96 WORK PERIOD 07:00 TO 16:30

WEATHER: 60 and sunny

NUMBER & CLASS OF PERSONNEL ON SITE:

RTA (12)
Electro Solutions (2)
California Prof. Painting (4)
EIMCO (1)

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE

NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
1	Cranes / Grove RT-30	30 tons	+ 8
1	Payloader / Caterpiller	950C	+ 8
1	Flat Bed Truck/trailer with Crane / Series 500 B	9350 lbs	+ 10

WORK ACCOMPLISHED:

RTA's crew reinstalls the man-way to TK-1 Reactor, all work is completed inside. RTA had a new gasket made to fit the man-way. They continue to work of the sludge return 10-inch pipelines above the bridge and the air valves on top of the platform above reactor "A". RTA's welder continues to weld the 10-inch sludge return line. RTA is all prepared for paving on Tuesday. Jerry Nordel/CH2M HILL is up here reviewing the wiring for the Mixters and Blowers. Eagle Paving has arrived at 12:00 and the are beginning to run the final grade of the perimeter road prepping it for the asphalt which is schedule for tomorrow. RTA has substantially completed reassembling the utility water lines under the reactor platform, they are waiting on some bolts to finish sealing off a tie in water valve (they should arrive in the morning). Larry Toney's crew is completing the control wiring to the blower and they are working in the MCC building (wiring, soft starters, and etc.). 15:00 Larry Toney is completing the final checks on the Starters and the electrical system to the Mixer MX-1 and Blower BL-1. John Rivera, California Professional Painting have completed the painting of the High Density Sludge Tank. The touch-up painting of the bridge is 50% completed and the starting to paint the inside of the center column.

John A. Rivera
INSPECTING ENGINEERS SIGNATURE

11/04/96
DATE

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

CH2M HILL SUBCONTRACT NO: 118
EPA WORK ASSIGNMENT NO: 31-54-9P17
CH2M HILL PROJECT NO. 110828.08.02
SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Tuesday DATE: 11/05/96 WORK PERIOD 07:00 TO 16:30

WEATHER: 62 and sunny

NUMBER & CLASS OF PERSONNEL ON SITE:

- RTA (12)
- Electro Solutions (2)
- California Prof. Painting (4)
- Eagle Paving (8)
- EIMCO (1)

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE

NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
1	Cranes / Grove RT-30	30 tons	± 8
1	Payloader / Caterpillar	950C	± 8
1	Flat Bed Truck/trailer with Crane/Series 500 B	9350 lbs	± 10

WORK ACCOMPLISHED:

RTA has one crew on top of the Thickener center column working on the 10-inch sludge return pipeline.
 RTA also has a crew running a utility water line and marking out the area for the BL-2 Blower sound walls.
 The third RTA crew is working in Thickener Tank applying the sealant to the joints and prepping the joint around the perimeter embedded rail at the outside edge (sand blasting and blowing out the dust). Eagle Paving crew is here and they have finished finalizing the final grade and have laid the asphalt surface. 13:00 Larry Toney, George Foster Chris, Mark Trawick and myself did a soft start bump test of the BL-1 and MX-1 and everything had checked out.
 RTA has started to run the stainless steel sludge line from Reactor TK-2 to Thickener sludge trough. **Conversation with Joe Cogliati/SMC:** Chris discussed with Joe bump starting the MX-1 Mixer motor and BL-2 Blower unit today. The purpose is to check motor rotation and Blower control wire termination and signals being sent and received, Chris said manufacturers representatives will be on-site for TK-1 start-up tomorrow morning. Joe and Chris will be getting together at 08:00 am to unlock certain valves and electrical components so that start-up will proceed.


INSPECTING ENGINEERS SIGNATURE

11/05/96
DATE

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

CH2M HILL SUBCONTRACT NO: 118
EPA WORK ASSIGNMENT NO: 31-54-9P17
CH2M HILL PROJECT NO. 110828.08.02
SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Wednesday DATE: 11/06/96 WORK PERIOD 07:00 TO 16:30

WEATHER: 68 and sunny

NUMBER & CLASS OF PERSONNEL ON SITE:

RTA (12)	Root and Dresser (2)
Electro Solutions (3)	Chemineer (1)
California Prof. Painting (2)	EPA (1)
Eagle Paving (0)	
EIMCO (1)	

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE

NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
1	Cranes / Grove RT-30	30 tons	± 8
1	Payloader / Caterpillar	950C	± 8
1	Flat Bed Truck/trailer with Crane/Series 500 B	9350 lbs	± 10

WORK ACCOMPLISHED:

One of RTA's crews is applying Thickener sealant, began laying down the seal for the outer most joint. They will have completed 80% of the total sealant by the end of the day. I have been informed they will be finished on Thursday with the entire Thickener slab. RTA continues to work on the 10-inch sludge return line on the bridge above the Thickener. They are also working on the air lines and lime loop lines on the platform above Reactor "A". Cynthia Wetmore from EPA is on Site along with Mike Cates/CH2M HILL. Two field representatives from Root and Dresser and a field representative from Chemineer are here to participate with the start-up of the new Blower BL-1 and Mixer MX-1 which is being conducted today. **Conversations with Joe Cogliati/SMC** Chris coordinated with Joe today's start-up of reactor TK-1, MX-1 and BL-1. Joe and Chris unlocked certain valves and electrical units so equipment could be run. Testing will be conducted in the dry, than with water, and then reactor slurry will be transferred to TK-1 by temporary pumping methods to bring TK-1 on-line. Joe said his operators and maintenance will be available to assist. Chris said he would inform Joe in advance with each step to avoid any confusion. Chris informed Joe that Jerry Nordel/CH2M HILL is on-site all day to assist in Electrical/instrumentation start-up as well as manufacturers representatives for Chemineer and Root and Dressers.


INSPECTING ENGINEERS SIGNATURE

11/06/96
DATE

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

CH2M HILL SUBCONTRACT NO: 118
EPA WORK ASSIGNMENT NO: 31-54-9P17
CH2M HILL PROJECT NO. 110828.08.02
SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Thursday DATE: 11/07/96 WORK PERIOD 07:00 TO 16:30

WEATHER: 72 and sunny

NUMBER & CLASS OF PERSONNEL ON SITE:

RTA (12)	Root & Dresser (2)
Electro Solutions (2)	Cheminear (1)
California Prof. Painting (2)	
EIMCO (1)	

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE			
NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
1	Cranes / Grove RT-30	30 tons	± 8
1	Payloader / Caterpillar	950C	± 8
1	Flat Bed Truck/trailer with Crane/Series 500 B	9350 lbs	± 10

WORK ACCOMPLISHED:

RTA continues to work on the 10-inch sludge return lines and on the lime loop lines. Allen Toney (RTA) has asked me if I would notify the operator for SMC if he could shut down the compressor for the pressurized air at the platform; he complied and RTA was able to tie in the air lines that connect with the new reactor "A" platform. They have also completed 4" lime loop connections that also route themselves to the new Reactor "A". The air compressor was turned back on and the air pressure lines at the connection and the new pressure lines were checked by Allen and myself by observing the pressure gauges that are in the air line loops. There is no sign of any leaks. The 4-inch lime loop connections were complete and with help of Joe Cogliati/SMC they were filled with flush water to check for leaks. There was one connection leaking, it was fixed by RTA and retested. The flush water was drained and introduced. California Professional Painting continues to paint the rake arms and touching up. Larry Toney and one of his crew men continue to run their cable and Larry also continues to work in MCC-2. Root and Dresser reps along with the Cheminear field Rep are here along with Mike Cates and Cynthia Wetmore/USEPA. (see start-up Memo dated 11/07/96). **Conversation with Joe Cogliati/SMC:** Today Reactor TK-1 was placed into service with slurry to test new equipment. New Blower BL-1 and MX-1 Mixer ran overnight in the manual mode to put run-time on the equipment and checks for reliability. The new BL-1 Blower in the "Winter Speed" condition delivers 2,900 acfm and with ASM slurry raises the operation level in TK-1 too high. Chris coordinated a shutdown of BL-1 so that the "Summer Speed" shieve sprocket and belt could be installed. Root-Dresser was on-site to supervise the change out. The "Summer Speed" will produce 1,600 acfm. The old blowers produced approximately 1,300 acfm. Prior to the Blower shutdown and lock-out of BL-1 soft start at MCC-2, all other equipment was placed into automatic mode so the plant operators could control the equipment from the control counsel. Chris coordinated this with Joe. Although the crew worked until 6:00 pm in the speed change out, the task would be completed the following morning. Existing BL-2 was available for treatment purposes during this time. During the night MX-1 Mixer operated in the automatic mode. Joe and Chris would review the situation at 08:00 am Friday to return to treatment in Reactor TK-1.



 INSPECTING ENGINEERS SIGNATURE

11/07/96

 DATE

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

CH2M HILL SUBCONTRACT NO: 118
EPA WORK ASSIGNMENT NO: 31-54-9P17
CH2M HILL PROJECT NO. 110828.08.02
SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Friday DATE: 11/08/96 WORK PERIOD 07:00 TO 17:00

WEATHER: 70 and sunny

NUMBER & CLASS OF PERSONNEL ON SITE:

RTA (6)	Root & Dresser (2)
Electro Solutions (0)	
California Prof. Painting (2)	
EIMCO (1)	

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE			
NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
1	Cranes / Grove RT-30	30 tons	± 8
1	Payloader / Caterpiller	950C	± 8
1	Flat Bed Truck/trailer with Crane/Series 500 B	9350 lbs	± 10

WORK ACCOMPLISHED:

California Professional Painting crew finished painting and blasting on the rake arms. They have some more touch-up painting on the Thickener center column and removal of blasting sand in the Thickener. Eagle paving arrived on site at approximately 11:00 am to work on the curbing around the perimeter road of the Thickener. RTA's crew with supervision by Root and Dresser with the change over of the winter shieve to the summer shieve and continued to work on 10-inch sludge return pipeline on the bridge. RTA's crews finished work at 11:00. The painters continued to work a full shift and the pavers finished laying the curbing. Also reviewed today was the perimeter road fill slope erosion control to be incorporated into the work. CH2M HILL, EIMCO, and RTA are currently discussing an acceptable solution to the steep slope and no shoulder on the roadway. **Conversation with Joe Cogliati/SMC:** at Blower BL-1, the "Summer Speed" package installation was complete at approximately 11:00 am. Motor/Blower belt drive tensioning screw jacks were installed as a quicker means to perform the speed change out in the future. BL-1 was put back into service at approximately 13:00 pm and the plant was treating AMD at approximately 13:30. AMD was introduced in stages to measure and observe the effects at Reactor TK-1. Incremental increases were at +200, 400, 600, 800, and 1,000 gpm. The Reactor performed well at today's maximum load of 1,050 gpm AMD. Chris and Joe coordinated Monday's shutdown of Reactor TK-2 and locking out equipment for retrofitting Mixer MX-2, Blower BL-2, and TK-2 impeller, air Diffuser, etc. modifications.

Kim A. Roberts 11/8/96
INSPECTING ENGINEERS SIGNATURE DATE

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

CH2M HILL SUBCONTRACT NO: 118
EPA WORK ASSIGNMENT NO: 31-54-9P17
CH2M HILL PROJECT NO. 110828.08.02
SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Sunday DATE: 11/10/96

WEATHER: 70 degrees and mostly clear skies

NUMBER & CLASS OF PERSONNEL ON SITE:

No Work Day

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE			
NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
1	Cranes / Grove RT-30	30 tons	
1	Payloader / Caterpiller	950C	
1	Flat Bed Truck/trailer with Crane/Series 500 B	9350 lbs	

WORK ACCOMPLISHED:

Chris and I are on site to check on TK-1 and to catch up on some paper work. Chris reviewed the operation at TK-1 for Mixing and Blower air. The plant has been continuously operating in automatic mode since the "Summer Speed" air reduction kit was installed on Friday. Reactor TK-1 is currently treating 88 gpm's. New Mixer MX-1 motor and BL-1 Blower are running well with no problems reported by the operators.

Kuni A. Rahn
INSPECTING ENGINEERS SIGNATURE

11/10/96
DATE

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

CH2M HILL SUBCONTRACT NO: 118
EPA WORK ASSIGNMENT NO: 31-54-9P17
CH2M HILL PROJECT NO. 110828.08.02
SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Monday DATE: 11/11/96 WORK PERIOD 06:30 TO 17:00

WEATHER: 70 and sunny

NUMBER & CLASS OF PERSONNEL ON SITE:

RTA (10)
Electro Solutions (2)
California Prof. Painting (0)
EIMCO (1)
Gary's Welding (1)

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE			
NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
1	Crane / Grove RT-30	30 tons	± 8
1	Payloader / Caterpillar	950C	± 8
1	Flat Bed Truck/trailer with Crane/Series 500 B	9350 lbs	± 10

WORK ACCOMPLISHED:

At 07:00 Chris and Willey from SMC conducted electrical lock-out to Blower BL-2 and Mixer MX-2. RTA opened the deck above TK-2 and also dismantled the existing blower and existing Mixer motor. 08:45 Chris and Joe/SMC have conducted the mechanical lock-out of all the mechanical components dealing with TK-2. At 10:00 RTA opened the man-way and started to clean out the inside the TK-2 Reactor. The impeller shaft was taken to Gerlinger Steel to get rekeyed, and the rest of the mechanical components have been removed from the inside of TK-2. California Pro. Painting (2 men) have arrived at noon to finish off the rake arms on the Thickener. Larry Toney and his one man crew continue to work on the wiring inside MCC-2 and begin the wiring for MX-2 and BL-2. RTA has a crew working on the Sludge lines which connect to the Thickener, also they are working the dirt areas around the site and getting them ready for either seed or rock. New Blower BL-2 was replaced on its foundation and the acoustical sound enclosure began to be erected. **Conversation with Joe Cogliati/SMC:** Chris and Joe reviewed this weeks TK-2 activity with start-up scheduled for Monday, November 18. Joe asked if there was resolution on the outlet weir and possible new configuration. Chris said all the right people were reviewing, however, final discussions have not been made at this time. Chris said Jim Stefanoff/CH2M HILL will be on site tomorrow morning to review the situation. Chris requested of Joe at 14:00 if he would build-up a reserve of AMD in their Mod-u-Tank storage tank Chris explained to Joe that we need to test again at Reactor TK-1 with as much flow as possible so our engineer's could review and observe the function of the new weir in TK-1. Joe said we would start storing AMD at this time. He also said he did not think enough AMD flow could be stored overnight to get many gpm's as we had on last Friday. Chris said he would review the potential flow rate tomorrow morning with Jim Stefanoff.


INSPECTING ENGINEERS SIGNATURE

11/11/96
DATE

**IRON MOUNTAIN MINE
HIGH DENSITY SLUDGE TREATMENT PLANT**

CH2M HILL SUBCONTRACT NO: 118
EPA WORK ASSIGNMENT NO: 31-54-9P17
CH2M HILL PROJECT NO. 110828.08.02
SUBCONTRACTOR: EIMCO

CH2M HILL'S CONSTRUCTION MANAGERS DAILY INSPECTION REPORT

DAY: Tuesday DATE: 11/12/96 WORK PERIOD 06:30 TO 17:00

WEATHER: 65 and partly cloudy, off and on sprinkles

NUMBER & CLASS OF PERSONNEL ON SITE:

- RTA (10)
- Electro Solutions (2)
- California Prof. Painting (2)
- EIMCO (1)
- Gary's Welding (1)

MAJOR EQUIPMENT AND OPERATOR ON PROJECT AND AMOUNT OF USE			
NO.	DESCRIPTION	SIZE/CAPACITY	HRS. OPER.
1	Crane / Grove RT-30	30 tons	± 8
1	Payloader / Caterpiller	950C	± 8
1	Flat Bed Truck/trailer with Crane/Series 500 B	9350 lbs	± 10

WORK ACCOMPLISHED:

At 06:30 RTA continuing to retrofit the Reactor tank TK-2, (dismantling and refitting SST 24-inch piping). One of RTA's crews have laid the permeable slope protection cloth down the slope and they are having rip rap rock brought onto the site. They continue to work on the HDPE pipe connection to the Thickener. RTA's backhoe subcontractor continues to shape areas of the site for rock or hydro-seeding. At approximately 13:00 we requested that the water to the plant go through a approximately 2 hour shut down to make a connection from the existing plant to a new 1.5-inch flush water pipeline which connects to the bridge above the Thickener. Joe/SMC had instructed his operator to assist us in anyway to speed the process to it's maximum because that the entire plant would be without running water; today being an ideal day to due this as the plant is in stand-by. The shutdown water was approximately 2 hours, water was restored to the plant at approximately 13:00 hours when I had given Joe the word that the tie-in was complete. At 11:00 am I had a conversation with Ron Mcfinney/SMC and Joe Cogliatia/SMC about the location of the old Blower and were they would like us to haul it off to. Ron said that he would take us to the place of storage at the Richmond portal when we were ready. Joe and Ron have decided to keep BL-2 (old blower) and haul BL-1 off site. I had taken pictures of the TK-2 and the sludge lines that had visual access to record the amount of sludge build up for John Spitzley/CH2M HILL. California Prof. Painting are on-site cleaning up and demobing the bulk of their equipment and there is a chance that they will not paint any of the rake arm cold tarred today due to intermittent light rain. John Reveria had talked to me about repainting approximately 200 linear feet of the tank shell due to a dry process of the paint that had left a shine on some areas. Larry Toney and his man continue to run the new cables to the BL-2 and MX-2 and are also working in MCC-2. Jim Steffenof is on site, along with Mike Cates, John Spitzey and Greg Petterson/CVO all CH2M employees, (discussing the air and weir complications and the resolution). RTA have completed the assembly of the new blower and have erected the acoustical sound wall and are working on the air discharge pipeline, **Conversation with Joe Cogliati/SMC:** Chris spoke to Joe and coordinated a shutdown of MCC-

2 for 2 Hrs to install new breaker and fuses in MX-2 soft starter for 200 Hp mixer motors. Chris and Joe also started the coordination of a plant shutdown of approximately 4 hrs to tie-in the new main breaker for new MCC-4 at the plant switchgear. Joe said his preference was for Friday November 15, 1996. Chris said he will organize the shutdown for 08:00 am Friday and update Joe tomorrow. Chris also requested of Joe to continue to store AMD in the Mod-U-Tank for another Reactor TK-1 test of Reactor conditions in service with flows of approximately 1,400 gpm or more.


INSPECTING ENGINEERS SIGNATURE

11/12/96
DATE