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9/23/83

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

IL 532-0357
ADM 39
153836

Subject
Data
Reviewed by Date

DATE: SEPTEMBER 23, 1983

TO: DIVISION FILE

FROM: W. Robert Watson

SUBJECT: 16312109 - ST. CLAIR COUNTY SAUGET/TWI

WE INSPECTED THE FACILITY ON SEPTEMBER 14, 1983 PERSONS IN THE TOUR INCLUDED: WILLEEN SWEET, TWI; JIM COBB, PERMITS APC; MYSELF, PAT MURPHY, PERMITS LPC; AND JOHN EVANS and DIANE SPENCER, FOS LPC.

DRUM STORAGE SHELTERS

AT THE TIME WE INSPECTED THIS AREA THERE WERE TWO TWI PERSONNEL SAMPLING ≈ 50 DRUMS BETWEEN BLDG.'S 1 & 2 (WITH PROTECTIVE GEAR ON.) DRUMS WERE STACKED 3 HIGH IN ALL THREE SHELTERS AND THE SHELTERS APPEARED TO BE NEAR MAX CAPACITY. THE SHELTERS HAVE EXPLOSION PROOF LIGHTING, FIRE EXTINGUISHERS MOUNTED ON POSTS ON THE OPEN SIDES OF THE SHELTERS. EACH SHELTER ALSO HAD AN ALARM SWITCH FOR THE INTERNAL ALARM SYSTEM. A 150 lb. PORTABLE FIRE EXTINGUISHER WAS ALSO ON HAND. THERE WAS EVIDENCE OF PAST SPILLS IN THE BLDG.'S DRAINING INTO THE SUMP. THIS SUMP GOES TO THE SAUGET IND W.W.T.P. AND HAD STANDING WATER IN IT. PER VAL CARVER FROM TWI ANY SPILLS ARE DETERMINED BY VISUAL INSPECTION, PUMPED OUT AND INCINERATED IF THERE IS A SIGNIFICANT QUANTITY PRESENT. SEVERAL DRUMS WERE STORED PARTIALLY OUTSIDE OF THE OPEN SIDE OF THE SHELTERS (IE. HALF IN & HALF OUT OF THE COVERED, SUMPED AREA). THE AREA BETWEEN THE SHELTERS DID NOT APPEAR TO BE SLOPED IN ANY DIRECTION AND ∴ NOT SUMPED. CARDBOARD DRUMS & BOXES WERE STORED ON THE ENDS OF AISLES ON THE OPEN SIDE OF SHELTER #1, SOME OF THESE WERE MARKED POISONOUS AND NONE WERE COVERED WITH PLASTIC TO PROTECT THEM FROM RAIN.

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TANK FARM AREA

THE VALVES USED TO PUMP MATERIALS FROM TANK TRUCKS INTO THE TANKS ARE LOCATED ON THE EAST SIDE OF THE TANK FARM. THERE WAS A SPILL CONTAINMENT AREA UNDER THE VALVES WITH A DRAIN AT ONE END. THE VALVE ON THE DRAIN WAS OPEN WHEN WE WERE THERE (WE CLOSED IT). THE AREA ~~[illegible]~~ WHERE THE TANK TRUCKS WILL PULL UP TO THE VALVES APPEARED FLAT, ~~[illegible]~~ WAS NOT SUMPED AND NO SPILL CONTAINMENT (CONCRETE LIPS ALONG THE EDGES) IS PROVIDED. THE TANKS ARE FRESHLY PAINTED, NUMBERED AND COLOR CODED WITH A 3½-4' CONTAINMENT WALL AROUND THEM.

FEED LINES

FEED LINES RUN FROM THE ~~[illegible]~~ NORTH END OF THE TANK FARM TO THE INCINERATOR VIA AN UNDERGROUND TRENCH THAT IS COVERED WITH METAL PLATES. THERE IS A SUMP AT THE NORTH END OF THE TANK FARM WHERE THE LINES ENTER THE TRENCH AND ACCORDING TO VAL CARVER THIS SUMP DRAINS THE FEED LINE TRENCH. AT THE TIME OF THIS INSPECTION THE PIPING WAS NOT COMPLETED.

DRUM WORK UP AREA

LOCATED ~~AT~~ OUTSIDE NE CORNER OF TANK FARM IS DIKED ~~[illegible]~~ ON 3 SIDES AND SLOPED TO ONE END. THIS AREA ~~[illegible]~~ IS PRESENTLY BEING USED AS A STAGING AREA TO UNLOAD SOLID WASTE FROM DRUMS ~~[illegible]~~ BEFORE INCINERATION

INCINERATOR AREA

THERE IS A ~~[illegible]~~ SUMPED CHANNEL INDICATED ON THE SITE PLAN SEPARATE FROM FEED LINE TRENCH TO COLLECT DRIPPINGS FROM THE ASH DUMPSTER. THE CHANNEL WAS CLOGGED WHEN WE WERE THERE. IT IS COVERED W/METAL GRATING. THE OPEN "TANK" WHERE HOLDS THE SCRUBBER WATER HAS IT'S OWN SEWER LINE. THIS TANK IS MONITORED FREQUENTLY FOR pH BY HAND UNTIL THE CONTINUOUS pH METER IS INSTALLED. THE INCINERATOR ITSELF HAS SOME INSTRUMENTATION INSTALLED BUT MORE INSTRUMENTS ~~[illegible]~~ WILL BE ADDED IN THE FUTURE.

006204

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DURING OUR INSPECTION THE HATCH ON THE EMERGENCY STACK WAS OPEN. HOWEVER VAL CARVER STATED THAT HE HAD CHECKED IT EARLIER AND THAT THE NEW FAN THEY HAD INSTALLED TO PULL THE GAS THROUGH THE ~~[illegible]~~ SCRUBBER WAS SO STRONG THAT IT INDUSED A DOWNDRAFT THRU THE STACK. NO SMOKE WAS SEEN LEAVING THE EMERGENCY STACK.

CC: PAT MURPHY
SOUTHERN REGION

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