TAT 02-784

RECORD

WALTONS FARM

BOOK #2

271113

WALTONS FARM TAT 02-784

BOOK # 2

ROY F. WESTON

1090 KING GEORGES POST RD.

SUITE 201

EDISON, NJ 08837

(908) 225-6116

Site Phone : 609-461-0639

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Wednesday, May 6, 1992
Weather: 50°F, Clear + Sunny, Winds: 5mph NE.

0640 TAT Mark Denno arrives on-site. I.T. crew on-site at time of TAT arrival. Six Dump trailers on-site to be loaded. TAT talks to I.T. supervisor Kurt Best about the number of trucks already loaded out. A total of six since 0530 is the response. Also, 60 Dump trailers will definitely be on-site today with a possibility of 100 dump trailers. I.T. crew has started loading out.

0700 TAT Denno dresses out for hot zone entry and places miniram downwind on site perimeter fence.

0710 TAT Denno enters hot zone. The observations are astonishing. There is water (standing) throughout the bottom of the excavated area including all of quadrant C, ~~A~~, $E_2$, $E_4$, $G_3$, $H_1$, $F_2$. Apparently, when I.T. cut the bank next to the creek, no retaining wall was installed only sedimentation controls. It is my MO estimation that due to ~~a full moon spring run off~~, a situation was created ~~by~~ an abnormal high tide. All observations were photo documented.*

* Also, I.T. crew cuts channel bank above $E_4$, $G_3$, MD & $G_4$. there is standing water

0900 TAT exit hot zone to get film for camera & gets data sheets from I.T. Chemist. Miniram readings off I.T. instrument is .00 mg/m³ TWA.

0930 TAT Denno reenters hot zone to observe I.T. crew cutting channel bank above previously stated quadrants. TAT continues to photodocument activity. Also, I.T. crew continues to load out dump trailers.

1200 I.T. crew takes lunch break. TAT checks miniram readings, still at .00 mg/m$^3$ TWA.

1230 I.T. crew & TAT reenter hot zone. TAT observes I.T. chemist & engineer delineating horizontal extent of contamination on site penisula. 5 composite Samples are taken every 5 ft. Results detect that another 20 feet must be removed on the penisula. I.T. crew excavates on penisula as per chemists delineation/request.

1400 TAT observes I.T. crew continueing to cut channel bank north of ~~K~~$_2$, $E_4$, $G_3$, $G_4$ and continues to photodocument all activities. Additionally, I.T. crew is loading out dump trailers. All soils from the channel bank are being stockpiled in main stockpile; trees + stumps are seperated.

1600 TAT exits hot zone and talks to Eric Wilson & Don Graham about tomorrows sampling activities. Water samples will be collected from: the shallow & deep wells; the pond; and the Grieger Residence on Stark Road next to the site.

1630 TAT Denno visits the Grieger residence to confirm sampling date & time with home owner. Mrs. Grieger confirms tomorrow sampling activity but would like TAT to draw a sample after 1530. TAT agrees and exits Grieger residence.

1700 TAT Denno reenters hot zone. I.T. crew continues to load out dump trailers. Also, I.T. crew is excavating tidal channel bank north of $A_2$, $C_1$, + $A_1$. TAT observes activity + photodocuments activity. Additionally, TAT talks to I.T. superviser Herb Davidson. He informs TAT that I.T. is going to bulldozer area along tidal channel bank to dress it up + remove any residual contamination due to excavating + stockpiling soils.

1900 TAT observes I.T. crew dressing up area along tidal channel bank with bulldozer. Front end loader is carrying soils to stockpile area. I.T. chemist + engineer are taking samples behind dozer, results will be in tomorrow. Also, I.T. crew continues load out activities.

2100 TAT + I.T. crew exit hot zone. 52 dump trailers have been loaded today and tidal channel bank adjacent to creek has been removed.

2115 TAT exits site for office.

2215 TAT Denno arrives at office and loads all sampling equipment, bottles, + plan for Thursday sampling activities.

2230 TAT Denno exits office.

Mark A. Denno

Thursday, May 7, 1992
Weather: 50°F + Overcast. Winds out of the northeast.

0715 TAT Denno arrives on-site. I.T. crew has been loading out dump trailers since 0500.

Trailers must be loaded by 0730 in order to be within Chem. Waste landfill in Model City, NY. at 1700. I.T. engineers gives TAT Denno data sheets on analysis run late last night. As previously mentioned samples were taken behind bulldozer activity. Quadrants $E_4$, $G_3$, + $C_1$ (channel bank) are still above 10ppm. These will be addressed this morning around 0900. TAT will observe activity and photodocument.

0745 TAT Denno exits site to pick up film for photodocumentation of all I.T. activities.

0815 TAT Denno arrives back at site and checks hot zone for signs of standing water or areas that have been inundated overnight due to tidal flux. Area between center points $C_1$, $C_2$, $C_3$, + $C_4$ has standing water. Additionally, $G_3$ has standing water.

0900 I.T. crew is cutting tidal channel bank north of $A_2$ + $C_1$ since this area is still reading 51 ppm DDT.

1000 I.T. crew starts to install silt fencing at high tide mark. Also, I.T. crew is cutting in areas $E_4$ + $G_3$ which were reading 17 + 19 ppm DDT respectively. TAT Denno enters hot zone with I.T. chemist + engineer to stake out all center points of quadrants. Cutting activities have disturbed previously marked centers. These locations are being demarcated to facilitate verification sampling.

Note: At 0930, TAT Denno + I.T. chemist talk to Eric Wilson about verification sampling. EPA wants 24hr notification before verification sampling is to start. TAT Denno will assist

in the random selection of sampling locations. 10 samples will be taken in from within Quadrants A, B, C, & D. 3 samples will be taken in Quadrants E, F, G, + H. Perimeter sampling will be every 80 feet and just outside of the orange high visibility fenceing. The southern perimeter of the site will not be addressed at this time, due to trucks hauling waste out for incineration. Other areas exempted from verification sampling include: areas with standing water or inundated with water at high tide; and access roads within the hot zone used for load out activities including the stockpile area. These areas will be addressed at a later date.

1300 I.T. chemist and engineer sample areas where bulldozer activity was concentrated. This includes previously stated cutting areas and quadrants which ~~were~~ had soil pushed across them. After talking to chemist, TAT Denno will not assist in staking out verification sampling points today. Hot zone will continue to be disturbed if analysis reveals hits above 10 ppm. TAT Denno faxes site operations plan sheets on verification sampling to Eric Wilson. TAT Wilson is checking calculations of I.T. engineer on sampling strategies.

1500 TAT Denno tries to draw a well sample from on-site residence. Today, the shallow well is the main objective. If a sample can be drawn, then I.T. chemist will run analysis on it for DOT. After setting up

peristaltic pump to draw a sample, TAT Denno lets pump run for approximately a half hour. No sample was able to be taken. Shallow well is dry and did not recharge after it had been drawn on 5/5/92. On 5/5/92 only a gallon of water was taken but was disregarded since well samples should be taken after three or four volums have been drawn.

1600 TAT Denno exits site to sample a well at the Grieger residence. This well is approximately 300 feet southeast of the site perimeter fence. Once at the residence, TAT Denno lets the tap run for approximately 15 minutes before drawing samples. A one liter sample is taken for total Arsenic analysis and preserved with $HNO_3$. Additionally, four liters of water were taken for Pesticide/PCB analysis. Once taken, samples were iced down since samples contain low concentrations. Samples will be taken to Accredited Labs on 5/8/92.

1700 TAT Denno arrives back on-site and observes I.T. chemist and engineer taking samples and running analyses. TAT Denno asks I.T. chemist when verification sampling will take place. I.T. is tentatively scheduled for Monday but I.T. is pushing for Saturday if cuttings to be taken on 5/8/92 come up clean (<10 ppm).

1800 TAT Denno exits site for office.

Mark A. Denno

Friday, May 8, 1992
Weather: 50°F + Raining Winds out of the north 3 mph

0715 TAT Denno arrives on-site. I.T. is finishing up daily health + safety meeting. TAT is given data sheets on analyses run yesterday. Areas north of

$A_2$ + $C_1$, $E_4$, and access roads through Quadrant H are still registering readings above 10ppm.

0745 I.T. crew and TAT enter hot zone. I.T. crew splits duties. One crew chips wood at tree stockpile while the other crew takes cuttings in $E_4$, north of $A_2$ + $C_1$, and access road across A quadrant. I.T. chemist + engineer are taking samples behind dozer activity.

0900 GC analysis is run on samples for DDT, DDD, + DDE. Results indicate that area around $E_4$, $H_3$, + $H_4$ needs further scraping.

1030 I.T. crew reenters hot zone and scraps in these isolated areas. TAT monitors and photodocuments activity. Additionally, TAT observes that the stockpiled waste needs redressing. TAT Denno talked to I.T. supervisor yesterday about this situation/condition. He informs TAT that the piles will be covered with Geotech fabric. North sides of stockpiles need to be addressed since there is no berm on this side. With constant rain, piles will get washed out + create drainage/migratory pathways.

1100 I.T. engineer is sampling areas scraped including $E_4$, $H_3$, $H_4$.

1200 I.T. chemist runs samples for analysis of DDT, DDE, + DDD on GC. TAT gets ice for sampling activities.

1300 I.T. crew continues to cut/chip wood at tree stockpile.

1400 TAT Denno samples well at the on-site residence well (deep well). The following is a list of samples to be analyzed at Accredited Laboratories, Inc in

④ WF-FB-01; 2x 2L amber bottles for Pesticide/PCB, 1x 1L poly for Total Arsenic (field blank).

MD Carteret, N.J. for Pesticides/PCB + Total Arsenic:

① WF-WW-01; 2x 2L amber bottles for Pesticide/PCB, 1x 1L poly for Total Arsenic

② WF-WW-02; 6x 2L amber bottles for Pesticide/PCB, 3 x 1L poly for Total Arsenic (includes MS + MSD)

③ WF-WW-03; 2x 2L amber bottles for Pesticide/PCB, 1x 1L poly for Total Arsenic (~~field blank~~) (Blind Duplicate)

1600 TAT obserses I.T. chemist and engineer staking out verification sampling points. See grid map for more detail. Points were choosen by TAT using a random numbers generator.

1630 TAT Denno exits site to drop off samples at Accredited Labs in Carteret, NJ.

1730 TAT Denno Arrives at TAT office and changes out TAT vehicles including transfer of samples, then exits office for Accredited Labs.

1800 TAT Denno arrives at accredited Labs and drops of samples and then heads back to TAT office.

1900 TAT Denno arrives at TAT office.

Mark Anthony Denno

Saturday, May 9, 1992

Weather: 60°F + Clear Winds out of the north at 5mph

0830 TAT Denno arrives on-site. I.T. crew + OSC are on-site at time of TAT arrival. I.T. engineer and OSC Don Graham are in hot zone performing verification sampling on eastern side of grid which includes Quadrants E, F, G, + H. 5 samples are taken within this area. TAT observes that many areas ~~are~~ no within grid are inundated with water.

Sampling methodology changed from a grab sample 0-6" in depth to a grab sample with a 12 in. square area down to a 1" depth. Sampling equipment is decontaminated at each point using soapy water, then hexane/Acetone, then deionized water rinse. Hexane/Acetone rinsate is not captured. I.T. crew starts chipping wood in tree stockpile.

0930 TAT Denno & I.T. engineer enter hot zone to sample in Quadrants A, B, C, & D for verification sampling. A total of 15 samples are taken using same methodology as previously mentioned. TATs especially observe area where sample is pulled, To make sure I.T. gets a representative sample and not enter any bias. See grid map for areas sampled. I.T laborers continue to chip wood.

1230 TAT Denno observes I.T. crew continuing to cut/chip wood. Area ~~where~~ of chipping operations ~~are~~ NO is next to stockpiled "hot" material which is still not covered after TAT requested redressing for three consecutive days. The problem here, is I.T. is dressed in level D. I.T. crew must comply with TAT request, will follow up on Monday. I.T. chemist continues to run verification samples for analysis. Results will be in Monday. Also, TAT observe silt fencing down in some areas next to tidal channel and that fence should extend out to the peninsula. A more permanent solution like a berm should suggested before demobilization. →

1330 TAT Denno & I.T. engineer delineate all perimeter sampling points. See grid map for more detail of locations. Points were only mapped out on the western & eastern site perimeter. Distance between points is 80 feet. Same methodology is used for perimeter sampling as verification sampling in excavated area. Two points were established on western perimeter, while four points were established on eastern perimeter. Northern & Southern, which includes access roadways for loadout & the tidal channel, will be addressed later. While establishing eastern perimeter locations, TAT notices erosional channel along fence line. Channel starts in hotzone, then migrates off-site. I.T. crew/laborers continue to chip wood.

MD ~~1530~~

1530 All samples taken by TAT & I.T. are given to chemist for analysis. Preliminary results of previous sampling today, indicate some areas are still registering above 10ppm.

1600 TAT Denno exits site for office.

Mark Anthony Denno

Monday, May 11, 1992

0530 TATs Denno & Wilson exit office for Walton's Farm.

0640 TATs Denno & Wilson arrive on-site. Only security is on-site at time of TAT arrival. TAT Denno updates TAT Wilson on activities to date. Also, TATs enter excavated area to observe drainage/migratory pathways and to orient TAT Wilson on cuttings along tidal channel bank. At time of TAT arrival, it is low tide. The weather is clear and 60°F. Winds are coming from

the east at 5 mph..

0700 I.T. crew and OSC Don Graham arrive on-site. I.T. crew dresses out to cut/chip wood in stockpile. OSC, TAT, + I.T. chemist discuss areas inundated with water. It is reiterated that any verification samples with locations inundated with water at high tide or high ground water table mark (both are synonymous with each other) should be disregarded. No further action can be taken at these points.

0730 I.T. crew enters hot zone to cut/chip wood in stockpile. TAT and OSC enter hot zone and observe silt fencing. The silt fence must be repaired + completed all the way to the penisula. Also, perimeter samples on western side of excavation which came up hot (>10ppm) should be addressed. At this location, the horizontal extent of contamination should be delineated.

0830 I.T. chemist gives TAT data sheets on samples analyzed on 5/9/92. Also, Chemist is calibrating GC for analysis to be run on 5/12/92. TATs notice that no air monitoring will be taken today. I.T. H+S officer says no ground will be broken to warrant air monitoring. TATs observe stock piles still uncovered with signs of erosional channels on piles.

0930 TATs Denno + Wilson enter hot zone to delineate areas saturated or inundated with water. Within these areas and outside, the silt fencing is mapped out. I.T. crew continues to chip wood.

1300 Lunch Break

1400 TATs Denno + Wilson reenter hot zone to observe cuttings/scrappings by I.T. crew. New cuts have occurred in Quadrant $D_4$, where soil was excavated on the slope; and access roadway, where the bulldozer removed six inches (only one cut) near the north side of the roadway. The border of this cut is delineated by TAT and mapped out. Also, the perimeter sampling points were mapped out, including actual location of site perimeter on eastern + western perimeter.

1700 I.T. verification sampling coordinator, Bill Bailey, suggests the inclusion of the access roadway and areas north of $A_1$, $A_2$, + $C_1$ in the verification sampling scheme. This covers all areas north of truck turnaround + "hot" piles.

1730 TAT informs OSC of I.T. proposal regarding verification sampling. OSC agrees in theory with I.T. suggestion pending I.T. commitment in writing.

1745 TATs exit site for TAT office.

Mark Anthony Denno

Tuesday May 12, 1992

0630 TATs Wilson and Denno arrive at Kellhouse farm site. IT crew on site include Kurt Best, Tony DiMuro, ~~and~~ Tony LaQuatra and Mike Quinlin. Weather: 60°F clear skies, winds out of the east. TAT questions IT chemist Mike Quinlin about proposed changes to verification sampling scheme. ~~No~~ decision has been made yet.

0700 Remainder of IT crew on site. TAT's begins construction of verification sampling grid.

0800 TAT enter hot zone to map limits of the disturbed areas / ~~and~~ area included in verification sampling. IT crew cutting road & hot spots from s/g

1030 TAT's exit hot zone. Proposed changes to verification plan have been proposed to PPG for approval. Scraping of roadways and hot spots completed, IT chemist collects samples where scraping occurred. 2 new men for IT on site, one sample tech one laborer.

1130 Area to be included in verification sampling finalized. IT numbers grid. TAT generates ~~Ran~~ random numbers.

1230 Break for lunch

1330 Random sampling points are plotted on ~~grid~~ map. Areas inundated or saturated with water are thrown out. IT chipping wood

1500 TAT (Donna) and IT sample tech enter hot zone to place sample locations.

1630 Donna & IT sample tech exit hot zone having completed taking out sample locations. ~~Earlier~~ In day IT supervisor Kurt Ryest asked TAT what should be done with decon water. TAT informed (Results of analysis were 10 ppb DDT)

Best that he should contact his office for direction but that it was my understanding that wastewaters with DDT concentrations above 4 ppb had to go to an approved CERCLA approved TSD for biological treatment or wet air oxidation. Verification sampling is planned for tommorow

1700 TATs Wilson & Denno off site

Wednesday, May 13, 1992

0715 TAT Denno arrives on-site. I.T. crew on-site at time of TAT arrival. Weather is rainy and overcast, approx. 50°F. Wind is moderate out of the northeast at 1 mph. I.T. Health and Safety officer is not conducting air monitoring today.

0730 I.T. crew member is decontaminating track hoe on decon. pad. Rinsate is collected and pumped into poly tanks.

0745 I.T. crew enters hot zone to chip remaining trees at stockpile by southwest corner of site perimeter fence. I.T. chemist informs TAT that he is registering readings above 10ppm in isolated areas of the roadway just south of $B_4$, $D_3$, & $D_4$. Verification sampling is being held off until a decision is made within this area.

0900 TAT & I.T. sample technician enter hot zone to take second round of verification sampling. See map p. 13 samples are taken throughout the excavated area. Visible contamination is in only one sample near center

of H2. Samples taken are grab samples 6"x6"x6"; mixed thoroughly, then a 4oz. sample is taken at each location. A field blank of standardized $H_2O$ is taken at 0900. At each location, the decon. procedure is as follows:

① Soapy Water Rinse;
② Deionized water rinse;
③ ~~Hexane~~/Acetone Rinse (captured);
④ Air dry; Deionized water rinse
⑤ hexane rinse;
⑥ Deionized Water Rinse

Samples are mixed in Stainless Steel square pan.

1300 TAT exits hot zone. I.T. crew enters hot zone to scrap area around center point of D3. This is the area of the last point for verification sampling, which was held off due to signs of visible contamination. Approximately, 6" of soil is scraped from within this area. The rest of I.T. crew continues to chip wood. I.T. chemist runs all 12 samples through GC for samples taken mid morning.

MD ~~1400~~

1400 TAT Denno & I.T. sample technician reenter hot zone and take last verification sample. Also, Western perimeter samples are staked out/measured out. Maintaining 80' distance between points. Perimeter points staked out on 5/9/92 are to far away from actual perimeter. Additionally, samples are taken 15 feet S, W, + N. of western perimeter sample #1, which came up as 54.4ppm on 5/9/92. The horizontal extent of contamination needs

to be demarcated within this area just north of A1 quadrant.

MD 1630 ~~1700~~ TAT exits hot zone. I.T. chemists informs TAT that a third round of verification sampling needs to be taken. Three verification samples taken totalled > 200 ppm and statistically invalidated verification by making the mean > 10 ppm.

1700 TAT Denno exits site for TAT office.

Mark Anthony Denno

Thursday, May 14, 1992.

0715 TAT Denno arrives on-site. I.T. crew on-site at time of TAT arrival. Weather is clear + Sunny, 65°F. Winds out of north at 3 mph. No air monitoring is being conducted today. I.T. chemist gives TAT data sheets for sampling analysis on 5/12/92 + 5/13/92.

0730 I.T. crew enters hot zone to continue wood chipping activities. Also, some I.T. crew members enter hot zone with shovels to see if locations that came up hot on 5/13/92 were isolated areas. I.T. chemist told I.T. crew where to dig. After shoveling, hits encountered on 5/13/92 are isolated areas of contamination.

0800 I.T. crew starts to make cuts in Quadrants $H_2$, $H_3$, + $H_4$ including access roadway in front of stockpiles.

0930 I.T. sample technician samples behind bulldozer activities. Same procedure is followed as for verification sampling including decontamination.

MD 1000 Chipping crew & Cutting crew take morning break.

1000 I.T. crew reenters hot zone to finish chipping wood. TAT Denno runs new random numbers with computer program & maps out new verification sampling points for 5/15/92

1200 I.T. crew breaks for lunch, exits hotzone.
1230 I.T. Sample technician exits hotzone. He has finished sampling. Samples are given to I.T. chemist to run a test for DDT concentrations. I.T. chemist runs samples.
1330 ~~all day until~~ MD TAT Denno & I.T. sample technician stake out verification sampling points. I.T. crew starts redressing stockpiles. I.T. crew puts GEOTECH fabric on one stockpile, then ran out of fabric. Fabric is stabilized on pile by putting sandbags on fabric. As TAT observes, sandbags are too far apart and wind continues to blow fabric all around. I.T. crew says they will put more sandbags on piles and try to rope down fabric.
1530 TAT Denno & I.T. sample technician exit hot zone. All verification points are placed for tomorrows verification sampling. ~~TAT~~ I.T. chemist informs TAT that Quadrants $H_2$, $H_3$, & $H_4$, & Access Roadway are still getting readings above 10ppm. Scraping will continue once PPG makes a decision on the increased volume of soils.
1615 TAT Denno exits site for TAT Office.

Mark Anthony Denno

Friday, May 15, 1992.

0715 TAT Denno arrives on-site. I.T. crew on-site at time of TAT arrival. Weather is clear & sunny, 60°F. Winds out of the east at 3mph. No air monitoring is being conducted today. TAT gets data sheets from I.T. chemist on yesterdays samples taken behind bulldozer activity in Quadrants $H_2$, $H_3$, & $H_4$; south of Quadrants F, D, + B. Area

south of Quadrants B & D are still above 10 ppm (54.6 & 69 ppm). Also, Quadrant $H_2$ is reading 13.5.

0745 I.T. crew enters hot zone to scrap material/soil out of Quadrants $H_2$ + $H_4$. Access Roadway south of Quadrants B & D are not addressed at this time.

0830 I.T. sample technician takes a sample behind bulldozer activity in $H_2$ + $H_4$. Sample is run through GC analysis & comes up Non-Detect (ND).

0900 I.T. sample technician & TAT enter hot zone to start verification sampling even though roadway has not been addressed. Field blank has been poured at 0730. Same decontamination precedures as last round of verification sampling. 13 locations are sampled; one includes a blind duplicate, the other includes MS & MSD. See map for more details. (p. ). Also, same procedure is used on amount of soil removed at each location.

1230 I.T. sample technician & TAT exit hot zone. Samples given to chemist for analysis. I.T. crew has redressed stockpiles by putting geotech on them and sandbagging geotech. Also, geotech is roped down using sandbags at each end of the rope. Piles still need to be redressed though. Geotech doesn't cover all areas of stockpile.

1600 I.T. chemist informs TAT that he has run all the verification samples & that the site as a whole has come up clean. Data sheets

are given to TAT. TAT informs Eric Wilson of verification coming up clean (<10 ppm). Eric Wilson informs TAT that no backfilling is to occur until EPA approval which includes judgemental sampling & statistical analysis approval.

1630 TAT Denno demobes all air monitoring equip. and hand radios from site. Also, all surveying + sample equipment is demobed.

1645 TAT Denno exits site for TAT office.

Mark Anthony Denno

Monday May 18, 1992

0740 TAT (Wilson) arrives on site. IT crew on site at time of TAT's arrival.

~~0750 OSC Don~~ EU On site for IT Supervisor - Kurt Best, Operator - John and Laborer Tony DeMarco. Results from 2nd verification sampling round on TAT's desk. TAT begins work tabulating values ~~and~~ for statistical analysis

0750 OSC Don Graham on site

0900 Don Graham telephones Vincent Du, IT project Manager and requests ~~an~~ statistical analysis and calculations for

4th verification sampling round. IT chemist Mike Quintin on site. Quintin and Best walk site. ~~to del also~~ Quintin shows Best sample locations from 4th verification sampling round which ~~can~~ had concentrations greater than 10 ppm. Scraping of road was completed over weekend.

0930 Scraping of hot spots is initiated

1030 TAT receives results of 4th sampling round and begins review
X mean =
~~upper co~~ standard deviation =
upper confidence interval =

1100 TAT verifies IT statistical analysis. TAT assumed that only 1st ten points should have been analyzed as per original calculation for site, ~~there~~ therefore only 1st 10 points chosen were used in TAT's analysis rather than 13 points used by IT, this accounts for difference in values:
TAT values: X mean =
upper confidence limit =
Based on these results site is determined to meet the stated cleanup criteria. Hot spots identified during verification sampling must still be cleaned up

1110 TAT & OSC walk site to locate judgemental sampling locations.

1200 Break for lunch. Scraping of

~~1330~~ hot spots complete.

1330 Conference call, in attendance Don Graham, EPA. Eric Wilson TAT; Kurt Best IT; Mike Quinlin IT, via telephone Vincent On IT, Herb Davidson, IT and Bill Bailey, IT. Topic on conversation next steps now that site has passed verification analysis.

1) Don Graham requests that IT submit a plan detailing ~~site~~ proposed restoration of the site, including stabilization of berm, and grading to existing undisturbed ground.

~~2)~~ This plan should be submitted in draft form prior to initiation of backfilling.

2) TAT requested copy of results of analysis of wood chips.

3) IT asked that judgemental samples be excluded from 10% outside lab verification. OSC Don Graham suggested that samples from invalid 1st verification round be used to meet 10% QA/QC objective. Agreed upon by all.

4) ~~Su~~ Post excavation survey completed last week according to IT additional scraping since is inconsequential. Past survey will satisfy SOP requirements.

1400 Meeting ends TAT Wilson and OSC Graham ~~and IT chemist~~ to select judgemental sampling locations assisted by IT chemist.

1600 IT sampling tech Tom Breen on site.

1650 Collection of judgemental samples initiated.

JS-01 grab taken from pile on ~~Eastern corner~~ barber of ~~E~~ quadrant F4. 25' east of center of F4, 10' south sample size 6" x 6" x 6" deep.

JS-02 grab taken from berm along eastern fence line directly adjacent to eastern perimeter sample ~~#02~~ EP#3

JS-03 grab taken from undisturbed triangle in SE corner of D4 location 20 ft west of SW corner of ~~E~~ F3, 10 ft due north of same. Sample size 6" x 6" x 6" deep.

JS-04 grab taken 25 west of center of D4 in bank of excavation.

~~Additional samples taken are~~ In addition sample locations 125, 163 and 164 ~~found to~~ and ~~F~~ WP 1, found to be hot during verification sampling (see 4th round map for locations) were scraped today and resampled. Grab samples were taken size 6" x 6" by 6" deep. One 5 point composite sample was taken in southern roadway ~~samp~~ Individual samples making up the

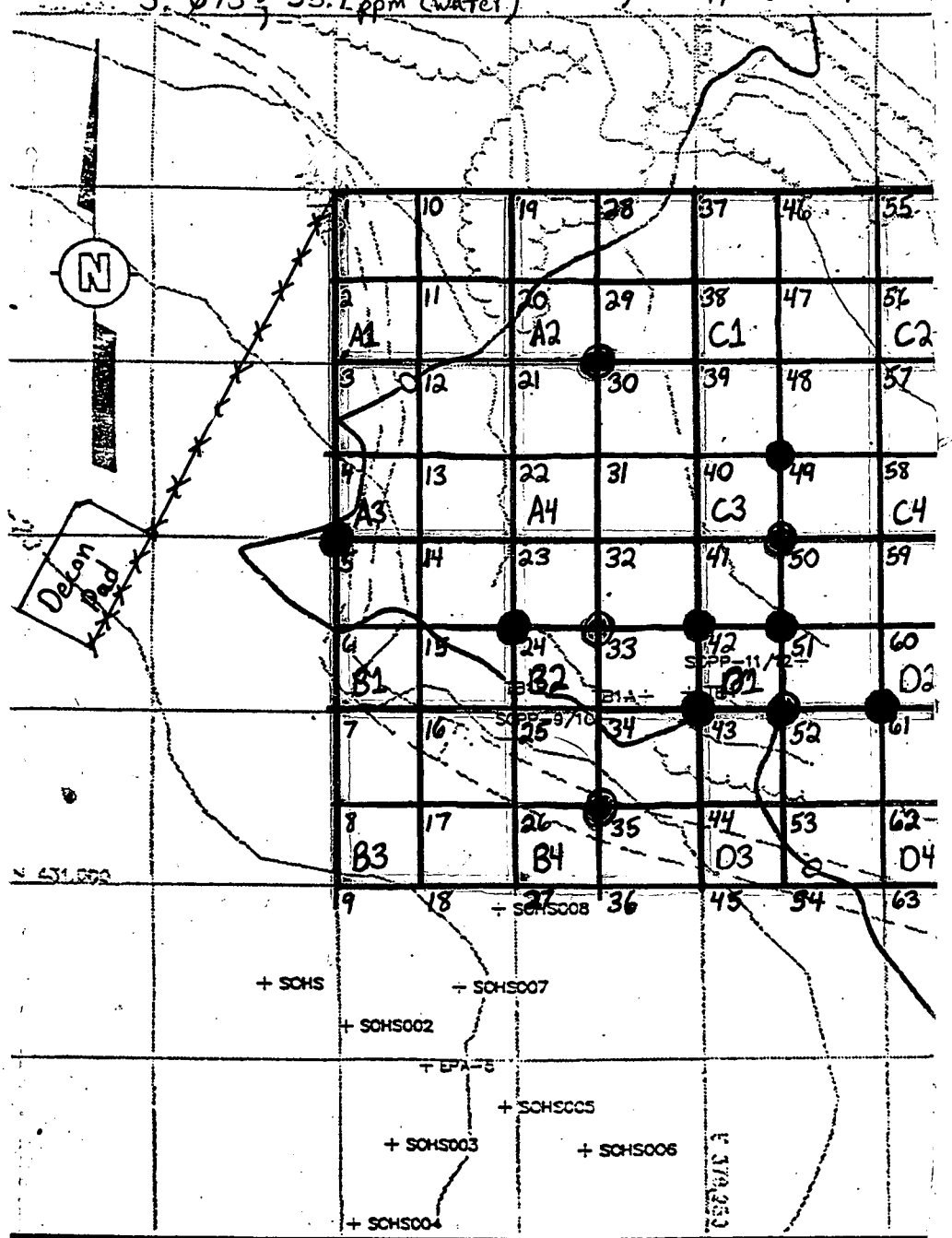
| | |
|---|---|
| | composite wave taken at the center and ~~at N,S,E & W~~ ~~campus p~~ 15' out N, S, E & W. from a point in the roadway 15' S of the center of B4 and 8' due east from same. |
| 1805 | Surgery complete TAT begins logging days activities |
| 1850 | log complete & up to date. TAT loads gear for demobe |
| 1920 | TAT off site for Edison TAT offices |

Eric

① Verification Sampling. 5/9/92

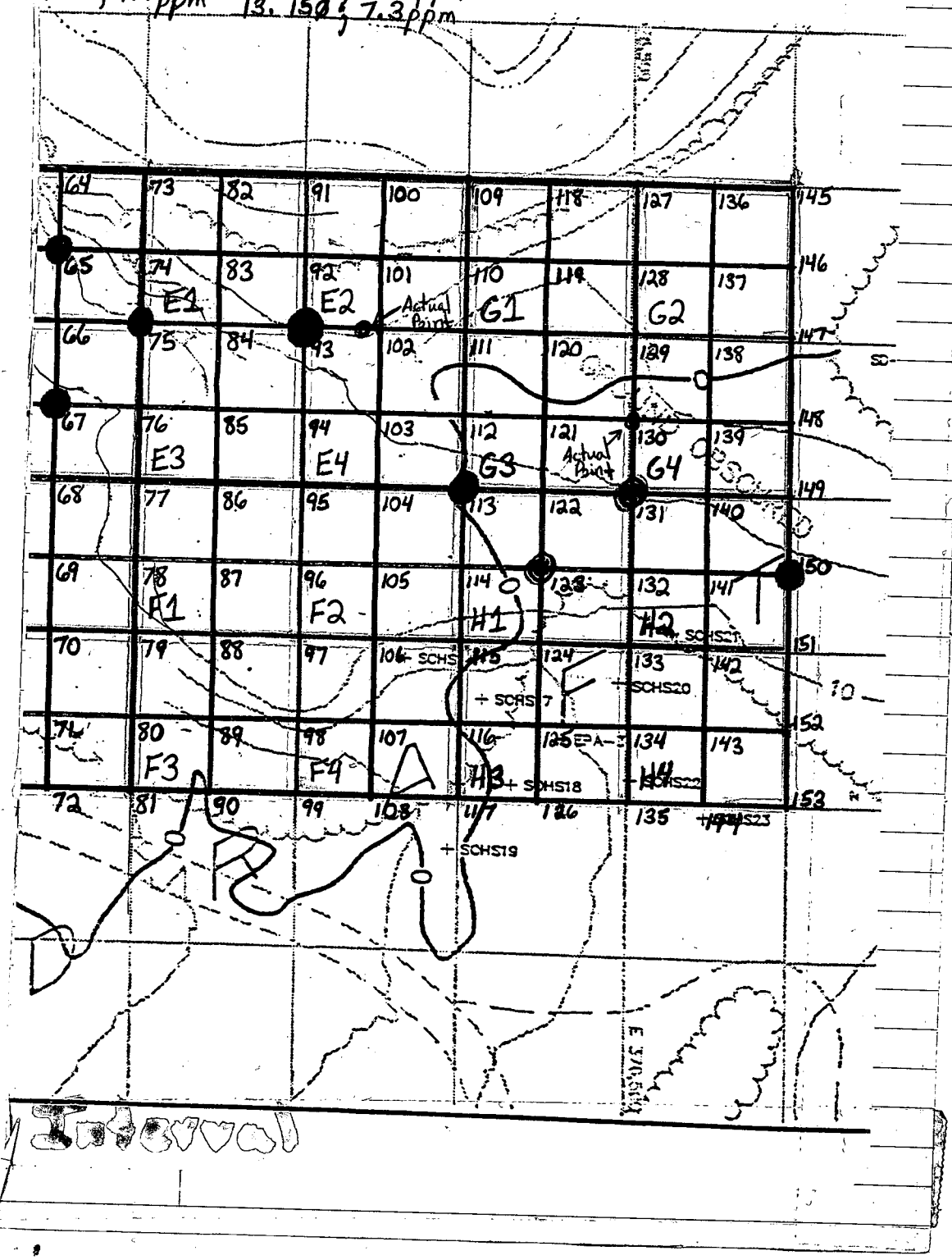
A. Disposal

1. Ø67; 15.4 ppm (water)
2. Ø65; 63.7 ppm (water)
3. Ø75; 55.1 ppm (water)
4. Ø49; 1.Ø ppm (water)
5. Ø93; 19.3 ppm (water)
6. 113; 21.6 ppm (water)
7.
8.
9.




• Verification • Confirmation

Ø05; 12.2ppm
Ø24; 12.8ppm
Ø42; 1.7ppm
10. Ø43; 13.0ppm
11. Ø51; 1.0ppm
12. Ø61; 48.9ppm
13. 15Ø; 7.3ppm



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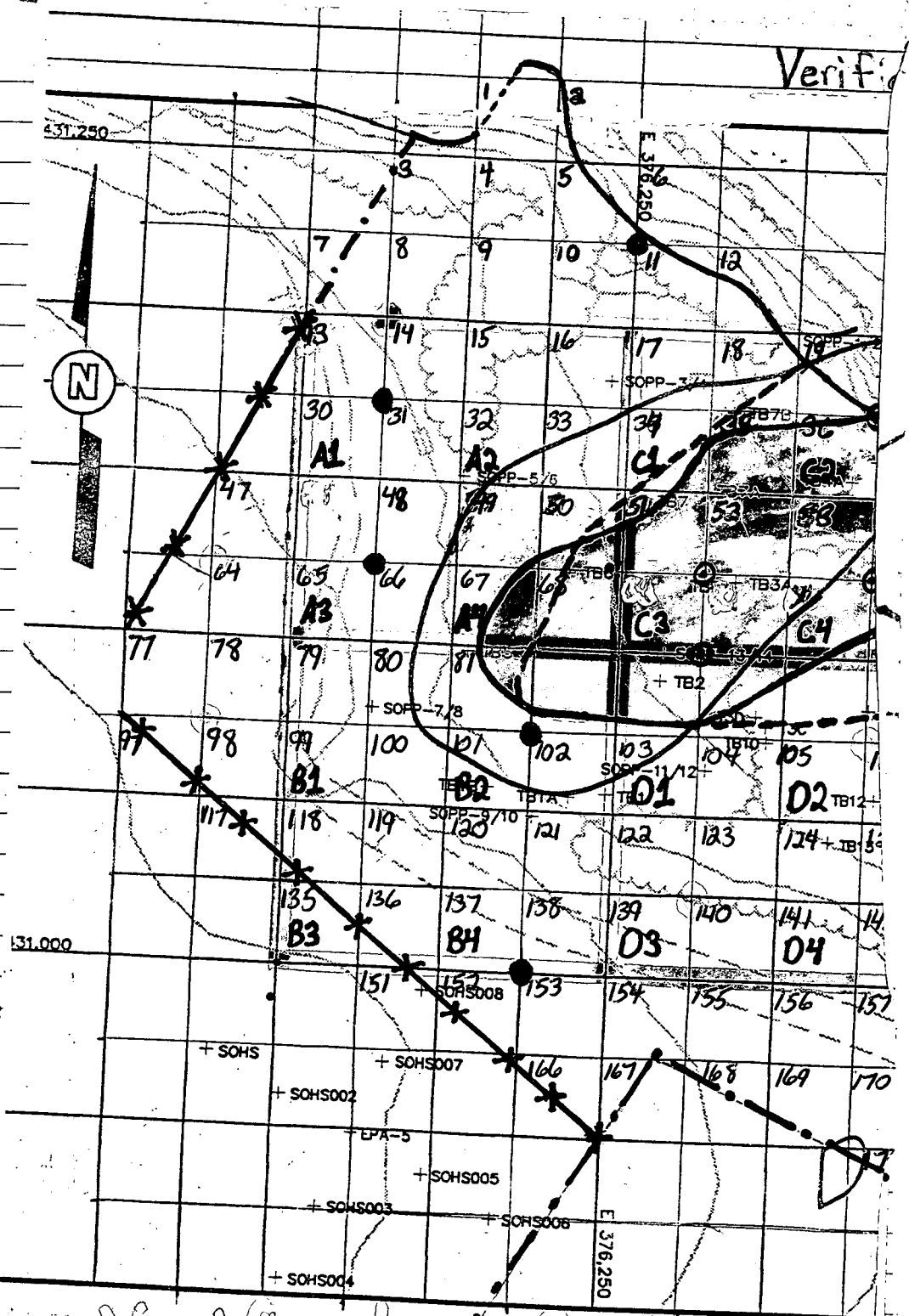
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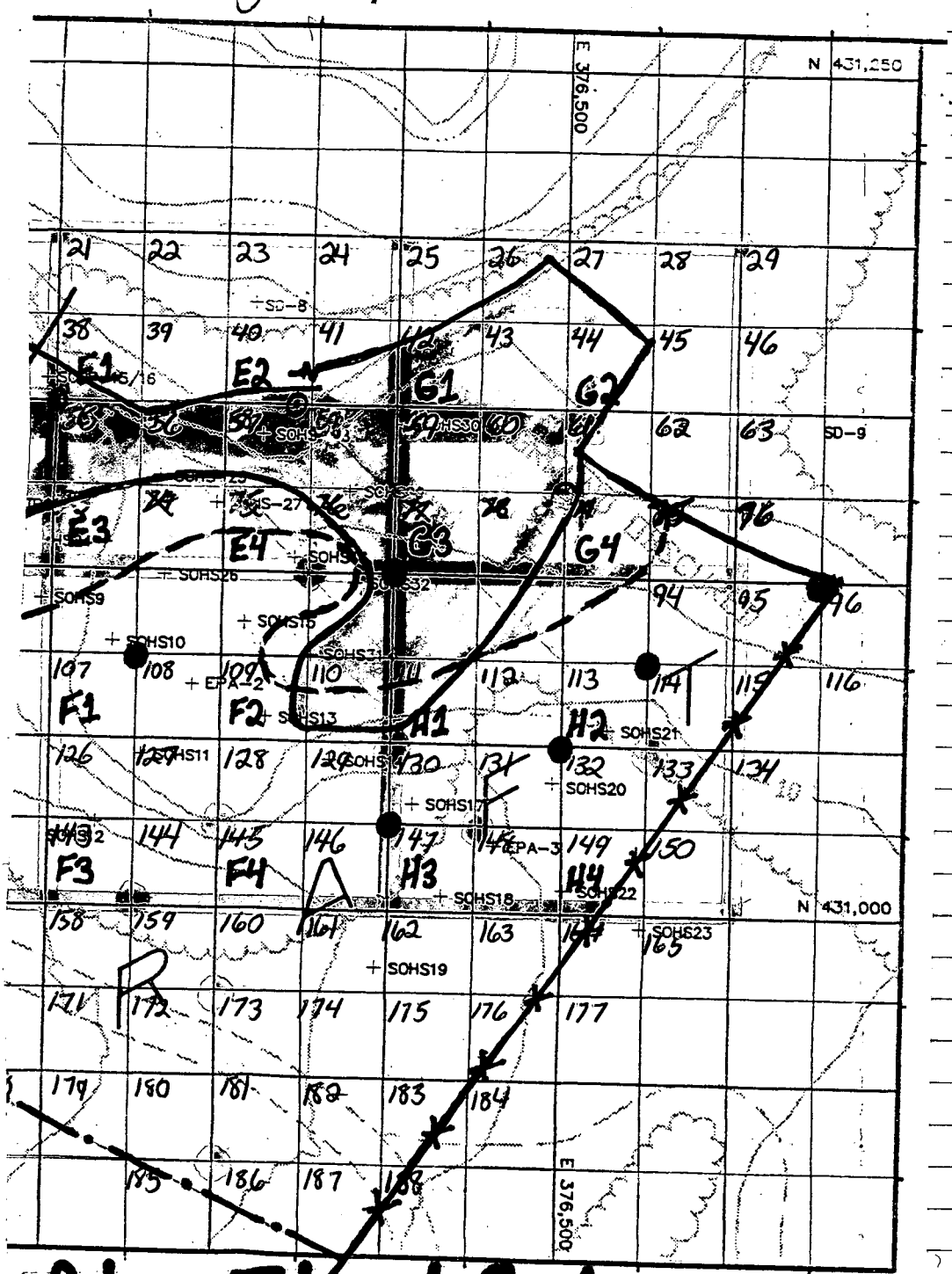
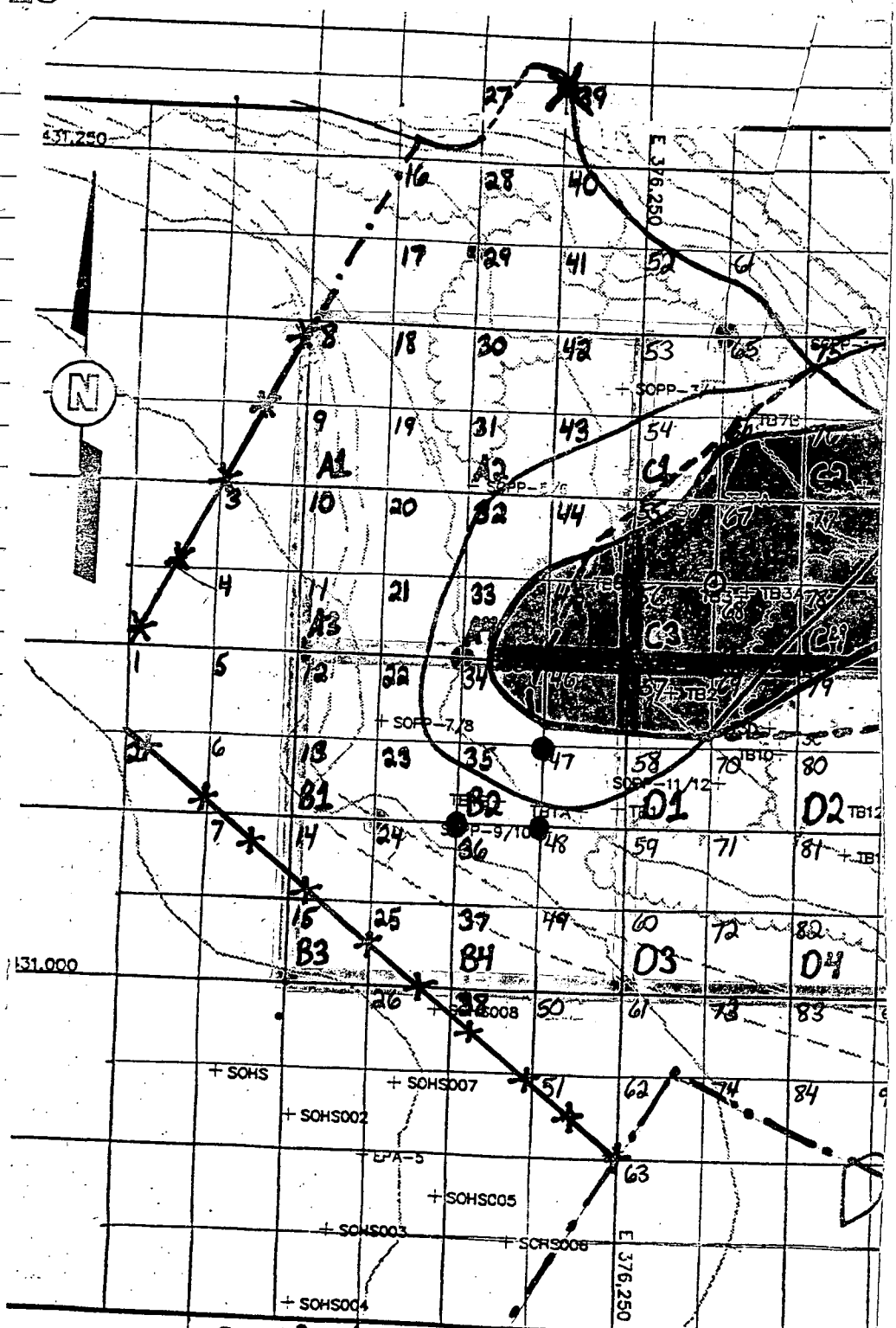
ion Sampling 5/13/92

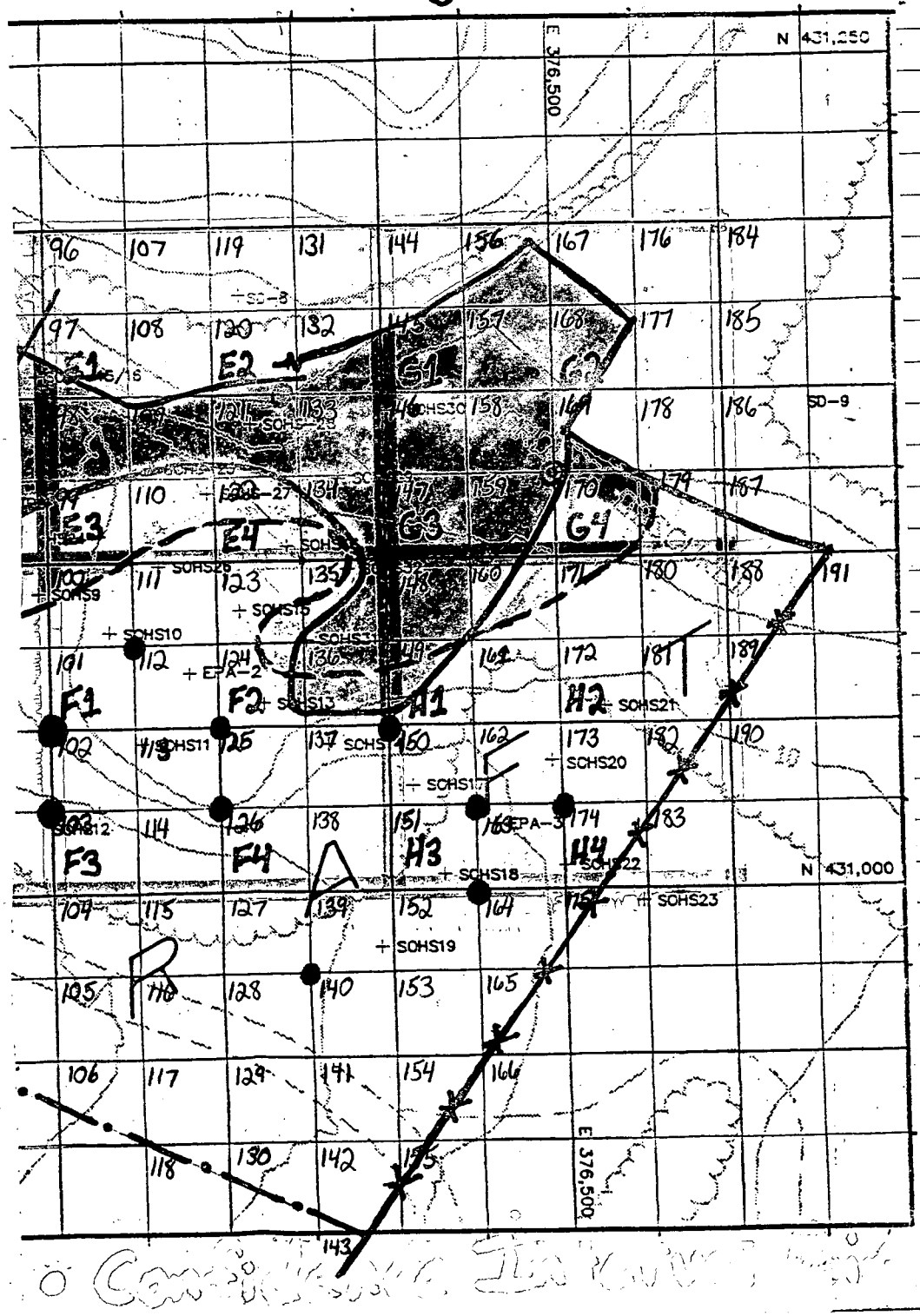



nfidence Interval Point




• Verification Sampling Points

Verification Sampling 5/15/92



Tuesday May 19

0830 TAT (Wilson) telephoned site from TAT offices. Results of judgemental sampling as follows:

| Sample # | Total Petroleum |
|---|---|
| JS01 | 24.7 ppm |
| JS02 | 6.5 |
| JS03 | 4.9 |
| JS04 | 44.1 |
| 125R | 6.6 |
| 163R | 29.8 |
| 164R | 1.3 |

Hot spots from 4th verification sampling round conducted 5/15, after scraping conducted ~~5/18~~ 5/18

Hot spots will be scraped and resampled today. Loadout Road on southern
1530 border of excavation came up clean/no data
1530 TAT telephones site speaks with IT supervisor Kurt Best. Areas scraped and sampled came up clean

Results as follows:

| | |
|---|---|
| JS01R | 16.4 |
| JS04R | ND(1) |
| 163R2 | ND(1) |
| JS01R2 | ND(1) |
| WP1R | 3.3 |

This satisfies cleanup ~~of the~~ the conditions of the consent order in regards to cleanup of the disposal Area. The waste stockpile area, decon pad and southern site perimeter have not yet been addressed.

Wednesday May 20

0840 TAT Wilson arrives on site speaks w/ IT supervisor Kurt Best.

0930 TAT inspects site to ensure that judgemental sampling locations and hot spots identified during verification sampling round have been scraped

1000 TAT completes inspection, all area appear to have been scraped. Based on observations and results of IT on site analysis, I would conclude that the contaminants have been removed from these areas and the remaining soils ~~are~~ have a ~~concentration~~ mean less than 10 ppm target pesticides.

1005 IT presents results of on site lab analysis of water samples. ~~and~~ Results for analysis of the pond, tap water at the on-site residence and Monitoring well #3 were all non detect (less than 0.15 ppb, DDT/DDD/DDE). ~~A test of water~~ ~~[illegible] collected from~~ A sample of water taken from decon water storage tank was passed through 0.45 micron filter paper to remove any suspended solids and analyzed for target pesticides ~~to~~ indicating 0.37 ppb. It should be noted that surrogate recoveries for water analysis were only 25-35%

The low surrogate recoveries cast doubt on the validity and quantitation of these results. However the results of ~~the~~ analysis of the filtered decon water indicate on site treatment might be possible.

1030 TAT informs IT Supervisor that ~~the decon water should be analyzed~~ field lab analysis of decon water with surrogate recoveries of 25 to 35% would not be acceptable and further analysis would be necessary to characterize the decon water. Analysis of decon water should include volitiles. Hexane, methanol and acetone were used in decontamination of the sampling equipment. Rinsate from sample equipment decon was dumped on the decon pad. TAT informs IT that North end of ~~decon~~ waste pile needs to be covered, geotech fabric has blown off

1100 IT recieves results of fixed lab split samples from verification sampling ~~round~~ program. Herb Davidson asked EPA to inform IT if results were acceptable and if they could begin backfilling. TAT informed him that he would have to call EPA project manager Don Graham

1130 Don Graham returns TATs page. Don states that it is ITs

responsibility to evaluate the data and act accordingly. ~~Informm~~ Don Graham will call Herb Davidson with this message. TAT and OSC informally agree that data seems to correlate well, this does not constitute authorization to backfill the excavation.

1215 IT crew off site with the exception of Kurt Best. No additional work will be conducted on site until Tuesday 5/26 @ 0700.

1330 TAT (Wilson) off site.

Eric Wilson

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Tuesday May 26, 1992

0830 TAT (Wilson) arrives on site. IT supervisor Kurt Best on site. No site activities planned for today, contrary to information relayed to TAT Wednesday May 20. Site secure. local Union no longer picketing site.

From conversation with Kurt Best:

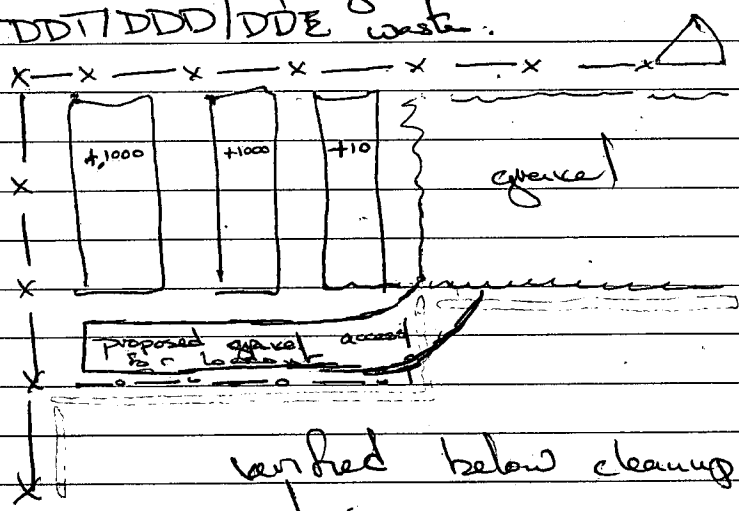
1) 5 trucks due tommorow 5/27/92 from chemical Waste Management to begin transporting > 1000 ppm DDT/DDD/DDE waste to TWI facility for incineration.

2) Backfilling on standby pending EPA approval of backfill/restoration procedures.
3) Loader and equipment operator due in today to begin load out scheduled for tomorrow.
4) The trailer has been damaged, one of the windows we (Kurts office facing east) was hit by by a shot from a pellet gun.

0900 TAT ~~telephones~~ EPA attempts to contact OSC Don Graham, leaves message at office and on pager.

1000 TAT receives call from OSC Don Graham, plans to meet him at Minsei site to discuss Walters Farm restoration

1020 IT supervisor shows TAT area to be employed for load out of DDT/DDD/DDE waste.




verified below cleanup criteria

a gravel access road will be installed so that trucks can pull up adjacent to the waste piles to be loaded. After loadout is complete the gravel road where loading was conducted will be assumed to be contaminated.

~~10~~ IT expects 8-10 trucks a week until the waste is gone.

1030 TAT writes notes and updates log.

1100 TAT Wilson off site.

Eric [illegible]

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Wednesday May 27, 1992

0810 TAT Wilson arrives on site. Two dump trailer from DART trucking on site at time of TAT's arrival. ~~TAT meets~~ On site for IT Kurt Best, supervisor, and Alex Kash, operator. Met w/ Kurt Best, Chem Waste incinerator is shut down, IT will demob site until further notice. Trucks from DART trucking will be sent back without being loaded.

0830 DART trucks off site, TAT walks site

0850 TAT discuses site stabilization with IT supervisor Best.
1) Waste piles are to be covered.
2) ~~Decon~~ Sump pump in decon pad is to remain on so that water contained in decon pad does not overflow. TAT or EPA will check capacity of holding tank after heavy rain
3) IT states that security will remain on site 24 hours a day. The gate to the site will remain closed and chained
4) TAT requests that EPA be informed of any unauthorized intrusions to the site.
5) TAT requests that EPA be informed in advance of continuation of site operations

0900 TAT begins research of MCLs for contaminants detected in sample taken from Grieger residence, Stark lane Delran.

0930 TAT telephones OSC Graham to inform him of developments and findings of MCL research. Left message

1000 IT operator dresses waste piles

1030 TAT inspects piles and points out deficiences to IT supervisor Best.

1045 ~~Piles covered~~ IT operator continues work covering waste piles

1135 Waste piles covered and checked by TAT. 7 drums 55 gallon of drill cuttings are staged with the waste piles. 7 55 gallon drums of decon water / developement water are staged on the decon pad. 1400 gallons of decon water stored in poly tank adjacent to decon pad. 900 gallons of decon water stored in poly tank adjacent to decon trailer.

1145 ~~Left site~~ TAT Wilson off site.

Eric Wilson

Thursday June 4, 1992

0800 TAT Newman arrives on site. Talk with Kurt Best Site Supervisor, ~~says~~ DN [Wednesday June 3, 5 trucks from Chem-Waste were loaded with waste to be transported to the incinerator.] Backfill trucks are unloading backfill and two dozers are spreading the dirt evenly on the North east section of the pit. Two IT workers on site running the bulldozing activities. TAT is informed only backfilling activities will be observed today.

0830 TAT Newman obseves water still located in the hot zone. One larger pool is noticed about 15 ft from north bank toward the middle of pit.

1000 TAT Newman observes dump trucks unloading sand on top side of pit IT workers spread sand with bulldozers to fill in hole. TAT called Don Graham left a message.

1100 32 dump trucks came through at this point.

1415 TAT Newman exits site ~~4:15~~ 1600 pm truck came through at this point.

David A. Newman

Friday June 5, 1992

1030 TAT Newman on-site, two trailer trucks on site at time of TATs arrival. Weather is very rainy with periods of downpour. TAT Newman discusses operations with IT supervisor part best. Chem. Waste will be loading out waste from staging area today. At this point trailers are parked and waiting for a front end loader to be delivered. 30 truck of sand from dump truck unloaded and peeked at this point.

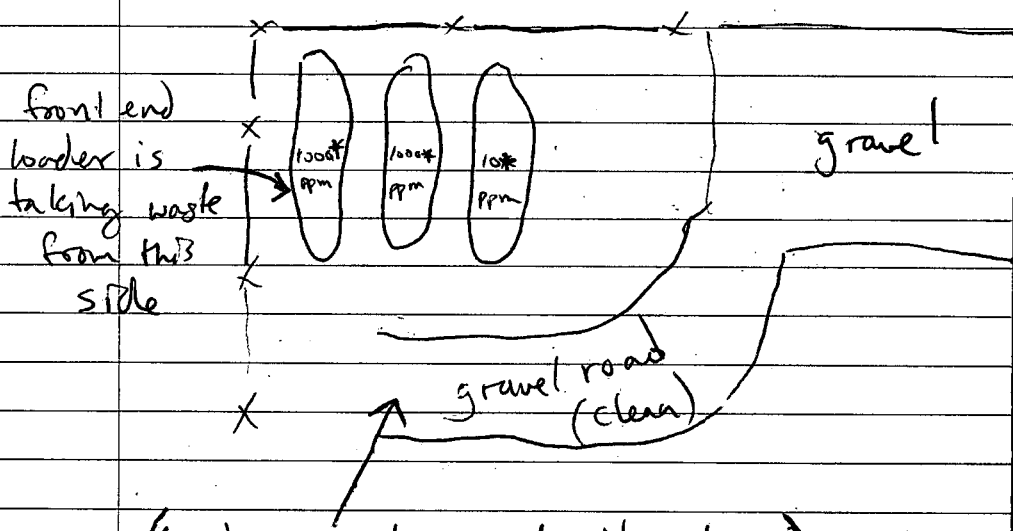
1130 TAT Newman checks D-con tank there are now 2 tanks on-site one tank is full (1450) and the other tank presently in use is about 50 feet to the west of the D-con area (water is pumped there) and is at (1200) over 3/4 of the way full. IT continues to distribute sand into the pit and

slowly filling it in toward the north bank. Two trailers still on site waiting to be loaded.

1230 Chem Waste supervisor and front end operator on-site with a front end loader. Will load only two trailers today. Dump operations will cease will waste loading is being done.

Talk with Peter Wallace project manager from Chem.-Waste. Notified me no more loading to be done until Wednesday when 6 more trucks are scheduled to be loaded and possibly 2 more on next Friday.

1400 Loading operations begin as follows




(loading onto a trailer here)

Trucks have scales on trailers built in approx. 7.5 buckets were dumped per load.

D-con of front end loader wheels and bucket to be preformed in D-con area. Waste is a bit packed and heavy due to rainfall and moisture in the air. Trucks are loaded, move to a level spot to check their weight 1st truck backed back up and more waste was loaded on.

1530 106 dump trucks of sand loaded at this point OSC Don Graham on-site talks with Chem. Waste manager. Discusses operations for next week. TAT Newman and OSC exit site.

David A. Newman

June 11, 1992

Meeting held on site. In attendance:

Mark Terril, PPG

Dr Cammisha, Landowner

Don Graham, EPA OSC

Herb Davidson, RT construction manager

Kurt Best, RT site supervisor

Eric Nelson, TAT project manager.

Final grading of the restored disposal area had been completed prior to this meeting. At this meeting the PPG representative Mark Terril and the landowner Dr. Cammisha agreed on additional restorations required and placement of the reconstructed bank bordering the Pemacas Creek.

Eric Nelson

June 26, 1992
Restoration of disposal area
complete IT demobs.

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July 6, 1992
From conversation with
Herb Davidson construction manager
IT corporation:
1) According to As-built drawing
based on surveyors measurements
10,041 cubic yards of material
was removed from the excavation
2) 321 truckloads were shipped
to GSX Pinewood SC.
3) 86 truckloads were shipped
to Chemwaste Model City NY.
4) Appx 4,000 yds of high
concentration waste remain to
be incinerated (as of June 3)
5) for total incinerated to date
contact Bill Wallace Chem
Waste Management Princeton NJ.

Monday, November 9, 1992

0600 TATM Denno arrives at TAT office and loads equipment, expendables, and gear in TAT vehicle. Additionally, TAT unloads gear from previous driver.

0630 TATM Denno exits TAT office for the Walton's Farm site in Delran, New Jersey.

0730 TATM Denno arrives on-site. I.T. crew on-site at time of TAT arrival. I.T. personnel on-site includes Kurt Best, supervisor; and John McHale, operator. An office trailer/storage trailer has been mobilized on-site and a 644E front end John Deere loader. Also, at the time of TAT arrival a representative from Chemical Waste Management is manifesting the waste being shipped. Waste is shipped as Hazardous Waste; Solid; N.O.S. (U604, U61); NA9189; ORM-E. Approximately 30 Dump trailers will be hauling waste today. At the time of TAT arrival, twelve dump trailers were waiting to be loaded. Transporters hauling waste include Republic Environmental Services, Horwith Trucking, and Buffalo Fuel Corp..

0800 TATM Denno enters hot zone to set up air monitoring station downwind of PRP subcontractor activity (I.T.). Miniram is utilized for air monitoring to measure air-borne dust particulates in mg/m$^3$. Main routes of exposure are inhalation and ingestion for DDT, DDE, + DDD. Approximately 3 dump trailers ~~have been~~ were loaded by this time. Note: Weather is clear, sunny + cold 40°F; Winds out of the northwest 3 mph, downwind air

monitoring station is located at south east perimeter fence for the old existing stockpile area. Stockpile area only contains one stockpile approximately 150 feet long, 36 feet wide, and 12 feet in height. Using ½B x H x L equation, approx. 32,400 ft³ of soil piled or 1200 yd³. Assuming 1 yd³ = 1.4 tons, approx 70 trucks w/min 22 ton load. This stockpile contains DDT, DDE, DDE waste of less than 1000 ppm. Land ban variance is in effect until May 8, 1993, allowing PPG to landfill this waste up until this time. The original stockpiles which contained waste greater than 1000 ppm was shipped off by chemical waste management to their trade waste incinerator in Sauge, Illinois for incineration. This incinerator is in compliance with RCRA but not CERCLA. PRP is able to dispose of the waste at this facility due to the signing of an administrative consent order. If it had been a unilateral order, disposal would have to comply with CERCLA regulations. Unilateral order is much more stringent. During Chemical Waste Management loadout practices at Walton's Farm, a large volume of residual waste still remains due to poor operating + maintenance practices. Some areas contain as much as two feet of waste over 1000 ppm.

0900 TATM Dennis checks air monitoring equipment. Minram readings are between 0.0 - 0.1 mg/m³ with a TWA of .00 mg/m³ over a one hour period. Another ~~three~~ dump trailers have been loaded out.

A total of ~~two~~ eight dump trailers have been shipped off to Chemical Waste Managements landfill in Model City, New York.

1000 TATM Denno continues to check miniram readings every hour. Readings at this time are .00 mg/m$^3$ TWA over a two hour period. ~~Four~~ more dump trailers have been loaded out for shipment. A total of ~~nine~~ twelve dump trailers have been shipped. Note: In loadout area, there is a crushed stone backin ~~driveway~~. When backing in, some of the dump trailers wheels are in the stockpile, potential causing residual waste to be transported to the stone in the turnaround area. TAT makes I.T. aware of this potential problem and I.T. crew directs truckers to stay on the crushed stone. Other observations that TAT makes includes areas of crushed stone with dirt on top. TATM Denno updates TAT Wilson on activity

1100 TATM Denno continues to monitor PRP contractor (I.T.) activities and perform air monitoring. Miniram readings at this time are .00 mg/m$^3$ TWA over a three hour period. Four more dump trailers have been loaded for shipment of waste. A total of sixteen dump trailers have been shipped up until this time.

1200 At this time, TATM Denno has observed four more dump trailers being loaded, making a total of twenty dump trailers hauling waste offsite for disposal. Miniram readings continue to be .00 mg/m$^3$ TWA over a four hour period.

1300 TATM Denno continues air monitoring and monitoring I.T. crew activities. Miniram readings have .00 mg/m$^3$ TWA over a five hour

period. Another four dump trailers have been loaded for shipment of waste. A total of twenty-four dump trailers have been shipped offsite for disposal.

1400 TATM Denno continues to check minimum readings every hour. Readings at this time are .00 mg/m³ TWA over a six hour period. Four more dump trailers have been loaded, making a total of twenty-eight dump trailers hauling waste offsite for disposal.

1500 TATM Denno observes I.T. crew loading out five dump trailers, raising the total number shipped to thirty-three trucks. Minimum readings have remained constant. At this time the TWA over a seven hour period is .00 mg/m³. TAT Denno calls TATM Wilson and informs him of TAT + PRP contractor activities. Also, OSC Don Graham is made aware of todays activities.

1600 TATM Denno pulls in air monitoring equipment. The last minimum reading is .00 mg/m³ TWA over an eight hour period. I.T. crew activities have ceased. Four more dump trailers have been loaded. A total of thirty-seven dump trailers hauled waste offsite for disposal. Stockpile is forty percent gone. I.T. crew supervisor informs TAT that forty dump trailers are scheduled for loading on Tuesday, November 10, 1992.

1615 TATM Denno exits site for TAT office. I.T. crew + chem. waste rep. exit site.

1730 TATM Denno arrives at office + exits for home.

Mark Denno

Tuesday, November 10, 1992

0600 TAT Denno arrives at TAT office, gets TAT vehicle, and exits for Watton's Farm site.

0715 TAT Denno arrives on-site. I.T. crew on-site at time of TAT arrival. I.T. personnel on-site includes Kurt Best, supervisor; and John McHale, operator. Also, a Chemical Waste Management (CWM) representative is on-site manifesting the waste being shipped. Twelve dump trailers are on-site at the time of TAT arrival. Additional transporters previously not mentioned include Chem. Waste Management, Meada, and Autumn trucking.

0730 I.T. operator starts loading out dump trailers. TAT Denno sets up air monitoring equipment at the southeastern perimeter fence. Weather today is clear and cold, approximately 45°F. Winds are out of the northwest at 0-3mph. TAT Denno is utilizing a miniram to measure air-borne dust particulates and has established a monitoring station downwind of PRP contractor activity. Also, TAT Denno photodocuments PRP contractor activity and past activities performed by CWM remediation services. Area previously cleaned by I.T. contractor is also photographed, including bank stabilization, backfill of old excavation, dope stabilization with hydroseeding, and revegetation of excavated area. All of these activities were part of the restoration of the farm to its natural state.

0830 TATM Denno checks air monitoring equipment. Miniram readings are ~~between~~ NO 0.0 mg/m$^3$ TWA over a one hour period. Four dump trailers

have been loaded for shipment to CWM facility in Model City, New York for landfilling.

1030 TAT Denno continues to monitor PRP contractor (I.T.) activities and perform air monitoring. Miniram readings at this time are .00 mg/m³ TWA over a three hour period. Eight more dump trailers have been loaded for shipment of waste. A total of twelve dump trailers have hauled off waste up until this time. PRP (PPG) representative, Mark Terrell, is on-site to observe I.T. contractor activity. Mark Terrell informs TAT that CWM remediation services will be on-site on Thursday, November 12, 1992 to remediate area of stockpiles which contain greater than 1000 ppm of DDT, DDE, + DDD. He is also very optimistic that verification sampling can be performed as soon as Saturday, November 14, 1992.

1100 TATM Denno calls TATM Wilson to update him on PRP contractor activities and inform him of PPG's scheduling. Also, TATM Denno informs OSC Don Graham of PRP contractor activities and PPGs proposed schedule. OSC informs TAT Denno that PPGs verification sampling plan is inadequate. Verification sampling must address the following areas individually, not as a whole. They are as follows: the stockpile area, decontamination area, loadout area, support zone, and perimeter areas adjacent to the stockpile area. Until the verification sampling plan addresses

each of these areas individually, PPGs scheduling will ultimately change.

1130 TATM Demo continues to monitor PRP contractor activity and perform air monitoring. TAT observations include the loadout of four more dump trailers, raising the total number of loads hauled offsite to sixteen. Miniram readings are .00 mg/m$^3$ TWA over a four hour period.

1330 TAT Demo continues to monitor I.T. crew load out operations. Eight more dump trailers have been loaded and hauled offsite. Miniram reading remains constant at .00 mg/m$^3$ over a six hour period. A total of twenty-four dump trailers have been hauled waste offsite ~~up~~ until this time.

1530 TATM Demo checks air monitoring equipment. Miniram has been on continuously for an eight hour period. Readings at this time are .00 mg/m$^3$ TWA. TAT Demo shuts off miniram to start a new eight hour cycle. Readings after eight hours are not reliable. Also, at this time, eight more dump trailers have been loaded. A total of thirty-two dump trailers have been hauled offsite for disposal of waste. At this time, PRP contractor (I.T.) starts fine tuning their loadout activities to eliminate all of the waste pile under 1000 ppm. The sides of the berm surrounding the old existing stockpile are pulled in and loadout area is scraped.

1630 TATM Demo pulls in air monitoring equipment because loadout activities have ceased. The last miniram reading is .00 mg/m$^3$ over a

one hour period. (This is the second cycle). Three more dump trailers have been loaded, making the total number of dump trailers hauling waste offsite for disposal today at thirty-five. The total number of trailers shipping waste for the last two days is seventy-two. I.T. crew supervisor informs TAT that only three dump trailers will be on-site tommorrow for the final cleanup that I.T. is responsible for. The stockpile at this time is almost 100% gone, only residual waste remains and will be gone by tommorrow.

1700 TATM Denno exits site for TAT office. I.T. crew + CWM rep. exit site.

1815 TATM Denno arrives at office + exits for home.

Mark A. Denno

Wednesday, November 11, 1992

0600 TAT Denno arrives at TAT office, gets TAT vehicle, and exits for Watkin's Farm site.

0715 TATM Denno arrives on-site. I.T. crew on-site at time of TAT arrival. I.T. personnel on-site includes Kurt Best, supervisor; and John McHale, operator. The representative from Chem. Waste Management (CWM) is also on-site ready to manifest waste being shipped today. At the time of TAT arrival, six dump trailers were waiting to be loaded. Of these six, three had to be turned away due to an insufficient amount of waste remaining. Apparently, CWM did not contact transporters dispatcher to instruct them not to come to the site.

0730 I.T. operator starts loading out dump trailers. TAT Denno sets up air monitoring equipment

at the eastern perimeter fence. This location is downwind from PRP contractor activity. Winds are out of the west at 0-3 mph. The weather is clear & sunny 55°F. A miniram is utilized to measure air-borne dust particulates.

0900 TATM Denno checks air monitoring equipment. Miniram reading is .00 mg/m³ TWA over a one and half hour period. Three dump trailers have been loaded during this time. The stockpile is non-existent and the area is ready for verification sampling. To restrict access into this area, T.T. crew has placed visqueen & geotech down over the area. TATM Denno stops air monitoring due to PRP contractor activities ceasing.

1000 TATM Denno photodocuments non-existent stockpile area and access restrictions. Additionally, TAT observes what still must be cleaned within the stockpile area. Residual contamination in the >1000 ppm stockpiles must be cleaned & incinerated. Also, areas adjacent must be scraped and tested for the disposal option. Once cleaned, verification sampling can commence upon approval of a new plan. During observations, TAT Denno notices surface drainage pathways leading offsite into "clean" areas. Pathways are evident by virtue of scoured out earth from continuous flow of water.

1100 TAT Denno calls TATM Wilson and OSC Don Graham to inform and update them on PRP contractor activities. I.T. crew is waiting for instructions from Ted Davidson, who in turn is waiting for a response from PPG representative Mark Terrell on further instructions. At this time, TAT awaits response in order to schedule attendance at the site. CWM remediation services are still tentatively scheduled to arrive tomorrow.

1300 I.T. continues to wait for further instructions. TATM Denno exits site for TAT office.

1415 TAT Denno arrives at TAT office and fills out expense reports for the Walton's Farm PRP oversight.

1500 TAT Denno exits office for home.

Mark A. Denno

Thursday, November 12, 1992

0700 TAT Denno arrives at TAT office, gets TAT vehicle, and exits for Walton's Farm site.

0815 TAT Denno arrives on-site. I.T. crew on-site at time of TAT arrival. I.T. personnel on-site includes Kurt Best, supervisor/foreman; and John McHale, operator/laborer. No representatives from Chemical Waste Managements remediation services team are on-site at time of TAT arrival.

0830 PRP contractor (I.T.) places geotech over decontamination pad to reduce the amount of rainfall entering pad. Increased precipitation will increase waste water generated.

0930 TAT Denno informs I.T. supervisor that migratory pathways are being established from the hot zone to "clean" areas. Upon checking these areas, I.T. supervisor informs TAT that the responsibility of reducing the migration offsite is up to CWM remediation services. ~~TAT Denno~~ MD

1000 TAT Denno performs field screening test on the following areas: load out area, background sample (location was upgradient in farm field), and all areas on stone containing dirt from poor operating practices.

1200 TAT Denno exits site for TAT office. I.T. crew exits site.

1315 TAT Denno arrives at TAT office and performs log book duties for Walton's Farm and finishes expense reports.

1530 TAT Denno exits office for home.

Mark A. Denno

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Wednesday, March 24, 1993

0645 TAT Denno arrives at TAT office and loads expendables and gear in TAT vehicle (EPA #764).

0655 TAT Denno exits TAT office for the Walton's Farm site in Delran, New Jersey.

0800 TAT Denno arrives on site. Chemical Waste Management's ENRAC Division personnel are on-site at time of TAT arrival. CWM personnel on-site includes Jim Bates, supervisor; Dave Lincavage, laborer; Joe Mock, H.S. officer; John Sutton, operator; and Dan Rogers, operator. CWM site operations manager Kevin Wood arrives on-site at 0900.

0830 CWM crew is oriented to the site and site operations are discussed. CWM supervisor informs TAT that all equipment is being mobilized today including a rubber tire front end loader ($4 yd^3$ bucket) and a rubber tire excavator (48 inch bucket). Personnel from IT corp. arrive on-site, Vincent Ou.

0900 Doug Cervenak from McLaren and Hart arrives on-site. He is the third party providing oversight for PPG. TAT Dennis photodocuments condition of stockpile and records all visual observations. TAT notices that CWM had previously installed silt fencing at the eastern side of the stockpile area along the site perimeter fence and along the eastern edge of the eastern most stockpile. Also, TAT observes that the silt fence is down and a surface drainage channel has been scoured out from the middle of the stockpile areas moving towards the eastern perimeter fence. This potential migratory pathway is photo-documented by TAT and is located about halfway down the eastern perimeter fence (approx. 125 feet) and goes west approximately 100 feet.

1000 CWM crew repairs silt fencing and begin site setup including delineation of the two stockpiles remaining with caution tape & temporary roadway for the excavator so as not to disturb any soil within the stockpile areas. Temporary roadway is established by laying down visqueen

and putting plywood over it for stabilization for the excavator. CWM supervisor, TAT, Doug Cervenack, Vince Ou, and Mark Terrell from PPG discuss site operations and schedule for implementation of items discussed. The two remaining stockpiles with residual product will be subdivided into three parts for load activities. The first halves of each cell, which herein will be referred to as area #1, will be excavated out by CWM and all disposal will be the responsibility of PPG. Area #1 goes from the south perimeter fence inward to approximately 100 feet, and will be the first area excavated. The second half of the cells are split into two areas area #2 and area #3. These areas have previously undergone poor operations and maintenance procedures, where the liner of the cells have been overturned. The disposal responsibility for the soil generated in these areas is an 80-20% split between CWM and IT respectively. All areas to the east of the cells is CWM responsibility.

1200 TAT, Denno calls OSC Don Graham to update him on site operations. TAT informs OSC of site ~~operations~~ setup operations and mobilization of equipment. CWM crew continues site setup. Decontamination procedures will be a dry decon. All personnel will adopt IT health and safety plan except PPE requirement. CWM personnel will were Tyvek

excavate in level C protection.

1530 TAT Denno calls TAT project manager Eric Wilson to inform him of site operations. CWM personnel continue site setup.

1615 TAT Denno exits site for TAT office and EPA facility to get log books and drop site schedule off with OSC Don Graham.

1730 TAT Denno arrives at EPA facility, gets log books for Walton's Farm, and drops off schedule.

1800 TAT Denno arrives back at TAT office and photocopies verification sampling plan.

Mark Denno

Thursday, March 25, 1993

0645 TAT Denno arrives at TAT office and exits for the Walton's Farm site in Delran, New Jersey.

0800 TAT Denno arrives on-site. CWM crew on-site at time of TAT arrival. Also, IT and McLaren & Hart representatives on-site at time of TAT arrival. CWM crews work schedule is Monday thru Friday 0700-1730 and Saturday from 0700-1530. CWM crew starts excavating the two stockpile cells with residual product. As previously stated, CWM is starting removal at the southeast corner of the eastern most cell and back scraping. The crew will move laterally westward to remove all product from the south berms to the midpoint of the cells. This will be the first objective. Approximate

eight dump trailers will be arriving on 3/26/93. Removal crew consists of one operator + the excavator, and a labor shoveling in overspill product during loading operations. One laborer continues to fix silt fencing by placing it in the ground to stabilize it. This is the proper way to install silt fencing. CWM crew prior to removal did not install fence properly. Also, laborer repairs site perimeter fence which was potentially damaged due to vandalism. CWM safety officer is video taping removal and overseeing all site health and safety for CWM crew.

1100 CWM crew has moved laterally westward after temporarily stockpiling three truck loads of soil. Excavation will now be done in the southwestern corner of the eastern most cell. TAT Demo calls OSC Don Graham to inform him of site operations but OSC is in Washington, D.C. at DOJ office. TAT Demo calls TAT project manager Eric Wilson and updates him. CWM is responsible for health and safety on-site but has yet to provide any air monitoring downwind of removal activities. Precipitation over the last few days has help suppress dust because soil is moist.

1300 CWM crew continues to move laterally into stockpile #2 southeast corner and remove residual product from cell. TAT Demo records CWM operations through written and photo-documentation.

1630 TAT Denno exits site for TAT office.
1745 TAT Denno arrives back at TAT office.
Note: TAT Denno called ATAL Tom O'Neill to inform him that work schedule for Walton's Farm will include Saturday operations.

Mark A. Denno

Friday, March 26, 1993
Weather: Clear & Sunny; 60°F; Winds out of the east at 1-2mph.

0645 TAT Denno arrives at TAT office and exits for the Walton's Farm site in Delran, New Jersey.
0800 TAT Denno arrives on-site. CWM crew on site at time of TAT arrival. Also, IT and McLaren & Hart personnel are on-site at time of TAT arrival. CWM crew continues to remove residual product from stockpile #2. Removal operations are concentrated in the southwestern corner of the cell. TAT Denno photodocuments removal activities. All excavated dirt is temporarily being stockpiled as CWM backscraps cells.
0930 TAT Denno critiques verification sampling plan and makes comments that will be addressed to the OSC.
1030 Horwith Trucking dump trailers arrive on-site. Three dump trailers will be loaded out today. CWM crew sets up for load out operations, including the placement of prisqueen in loadout area to collect spillage or overflow during loader to truck transfer.
1100 CWM crew starts loading out soil. Excavator loads front end loader. Then loader transfers

soils to dump trailer in loadout area.

1140 First dump trailer is loaded and ready for shipment of waste to CWM Trade Waste Incinerator in Sauge Illinois. CWM supervisor gives trucker manifest + land ban sheets, while TAT photocopies manifest to review. TAT Demno checks manifest for proper shipping name and EPA codes being carried.

1145 First dump trailer exits site and leaves with the proper placards intacked on the truck. The second dump trailer is being loaded.

1230 Second dump trailer is loaded out, given manifest + land ban sheets and exits site for CWM facility. Third dump trailer is being loaded.

1315 Third dump trailer is loaded out, given manifest + land ban sheets, and exits site for CWM facility. CWM crew continues removal and stockpiling operations. Excavator traverses back down to stockpile #1 and continues to backscrap and stockpile soil. Laborer directs operator + hand shovels residual waste.

1545 TAT Demno ~~exits site for~~ calls Eric Wilson and OSC to inform them of site operations. Also, TAT Demno relays comments on verification sampling plan to OSC explaining deficiences found. A backhoe is mobilized on-site.

1645 TAT Demno exits site for TAT office.

1800 TAT Demno arrives back at TAT office and exits for home.

Mark A. Demno

Saturday, March 27, 1993
Weather: Cold + Overcast; 40°F; Winds out of the east at 1-2mph.

0645 TAT Demo arrives at TAT office and exits for the Walton's Farm site in Delran, New Jersey.

0800 TAT Demo arrives on-site. CWM crew, IT rep., and McLaren+Hart rep. on-site at time of TAT arrival. Also, two dump trailers from Horwith Trucking are on-site. First dump trailer is in loadout area and is being filled. Same procedures as previously discussed are used for loadout operations.

0900 First dump trailer is loaded out, given manifest + land ban sheets, and exits site for CWM incinerator in Illinois. TAT Demo photodocuments all loadout operations. Additionally, TAT informs CWM project manager of his responsibility to air monitor using a miniram which will arrive this afternoon. Also, TAT suggests the installation of a wind sock to aid in air monitoring operations. Second dump trailer is being loaded.

1000 ~~Third~~ Second dump trailer is loaded out, given manifest + land ban sheets, and exits site for CWM facility. CWM crew continues removal and stockpiling operations. Excavator traverses westward back to the southwestern corner of stockpile #2 and continues to lockscrap soils. CWM laborer continues to direct operator and hand shovel waste due to overspill. A second operator starts

transferring "hot" geotech liner, waste, and wood, located in the parcel of land to the east of stockpile #1, to stockpile #1 utilizing the backhoe.

1130 A third dump trailer arrives on-site and starts being loaded.

1245 Third dump trailer is loaded out, given manifest & land ban sheets, and exits site for CWM facility.

1300 TAT Denno exits site for TAT office. A fourth dump trailer will arrive on-site at 1400 hours.

Mark A. Denno

1415 TAT Denno arrives back at TAT office, gets gas for TAT vehicle, then exits office.

Mark A. Denno

Monday, March 29, 1993

Weather: Overcast + raining. 45°F; No wind.

0700 TAT Denno arrives at TAT office and exits for the Walton's Farm site in Delran, New Jersey.

0815 TAT Denno arrives on-site. CWM crew, IT rep., and McLaren + Hart rep. on-site at time of TAT arrival. Air monitoring will not be performed today due to precipitation acting as a dust suppressant. CWM crew is removing debris (i.e. rsqueen + wood) from eastern parcel of land between stockpile #1 and eastern site perimeter fence. TAT Denno photodocuments CWM operations and status of decontamination pad. TAT observes drainage/erosional channel scoured out of soil adjacent to decon. pad and also is

photodocumented.

0900 CWM crew continues to remove residual product from stockpiles #1 & #2. Removal operations are concentrated at eastern edge of stockpile #1 towards the center. TAT Dynno continues to photo-document removal operations. All excavated soil is temperarily stockpiled as CWM crew backscrapes cells.

0930 Horwith Trucking dump trailers arrive on-site. Four dump trailers will be loaded out today. Two dump trailers are on-site ready for loadout. CWM crew starts loading out soil. Excavator loads front end loader with stockpiled soils. Front end loader then transfers soils to dump trailer in loadout area.

1030 First dump trailer of the day is loaded out, given manifest & land ban sheets, and exits site for CWM facility. The second dump trailer is being loaded.

1045 CWM crew halts loadout activities due to heavy rains which would cause differential weight in waste and off-spec. loads. Weight difference would increase cost and it would be off-spec due to the excess moisture and increase the surcharges.

1130 Second dump trailer continues to be loaded out.

1230 Second dump trailer is loaded out, given manifest & land ban sheets, and exits site for CWM facility. The third dump trailer is being loaded.

1400 Third dump trailer is loaded out, given manifest and land ban sheets, and exits site for CWM facility. The fourth and final dump trailer for the day is being loaded. Loadout of this last truck will take time since no stockpiled soils exist and excavator must excavate soil for direct loadout.

1600 Fourth dump trailer is loaded out, given manifest + land ban sheets, and exits site for CWM facility. TAT discusses status of decon. pad with McLaren+Hart representative and informs rep. that PPG should correct discharge problem immediately. Disposal options for wastewaters include application on stockpiles if stockpile volume can act as a filter and handle capacity; surface water discharge pending full analysis + NJPDES permitting; or offsite treatment at a wastewater treatment facility. PPG wants wastewater analyzed for DDT, DDD, & DDE. CWM crew continues to excavate stockpiles #1 & #2. Operations are concentrated in western edge + towards the center of stockpile #2.

1700 TAT Demo calls Eric Wilson (TAT PM) and OSC to inform them of site operations. Decon pad covered with sequeen.

1730 TAT Demo exits site for TAT office.

1830 TAT Demo arrives back at TAT office and checks work plan for making verification sampling grid points reproducible. Work Plan states that verification sampling diagrams will be given to EPA upon completion. All diagrams are assumed to be to scale which would require surveying. Also, expense reports

are filled out for the site.
1930 TAT Denno exits office for home.

Mark Anthony Denno

Tuesday, March 30, 1993
Weather: Overcast & raining; 45°F; no wind.
0700 TAT Denno arrives at TAT office and exits for Walton's Farm site in Delran, N.J.
0800 TAT Denno arrives on-site. CWM crew, IT rep. and McLaren Hart rep. on-site at time of TAT arrival. Air monitoring will not be performed today due to precipitation. CWM crew is split performing two operations. One excavator is removing 1-3" of soil in the eastern parcel of land between the site perimeter fence and stockpile #1. The second excavator continues to remove and backscrap soil in stockpiles #1 & #2. These soils are temporarily stockpiled for loadout. Removal operations within stockpiles is getting close to transitional zone of areas #1, #2, & #3 (as previously discussed) and volume removed is decreasing as machinery traverses north.
0830 TAT Denno, CWM supervisor, IT & McLaren & Hart representatives have a meeting to discuss IT preliminary field screening methodology which includes random discrete sampling points in which there is no control over the size of an area being potentially "hot" (above

action levels). This would increase volume of soil generated for landfilling or make passing verification sampling the first time virtually impossible since discrete sample is only representative of that sampling point. TAT suggest utilizing a square sampling grid with nodes 25 feet apart. A composite sample could be drawn from each 625 ft² cell, representing that grid. If grid comes up "hot", remove the 625 ft² to a depth of 3 inches. Also, TAT suggests that initial composite samples could be drawn from 50' x 50' areas and if need be, reduced down to 25' x 25' later if original area is "hot". With this methodology theres greater control over soils removed and less samples originally drawn thus reducing overall costs.

0900 Forwith Trucking dump trailers arrive on site. Four dump trailers will be loaded out today and shipped offsite for incineration of soils. One dump trailer will be deadhead to the site, loaded, and spotted on-site so a sample can be drawn. Sample will verify if soil can be landfilled at CWM landfill in Model City, New York. Two dump trailers are on site ready for loadout. CWM crew starts loading out first dump trailer. Loadout operations remain the same as previously discussed.

1000 First dump trailer is loaded out, given manifest & land ban sheets, and exits site for

weighin scales before heading to CWM facility in Sauge, Illinois. The second dump trailer is being loaded.

1100 Second dump trailer is loaded out, given manifest + land ban sheets, and exits site for scales. First dump trailer returns to site because he's over the 80,000lb limit. Excavator removes material from dump trailer.

1130 Third dump trailer is being loaded. The second excavator continues to remove soil to the east of the stockpile cells, while TAT photodocuments activity.

1300 Third dump trailer is loaded out, given manifest and land ban sheets, and exits site for CWM facility. Second dump trailer arrives back on-site due to overweight restrictions. Again, excavator removes soil from dump trailer.

1400 Fourth dump trailer is being loaded. Second dump trailer exits site for CWM facility. Fourth dump trailer is being loaded directly as operator removes soil.

1600 Fourth dump trailer is loaded out, given manifest and land ban sheets, and exits site for CWM facility. A total of fifteen (15) dump trailers ~~have~~ or approximately 300 tons of soil have been removed from the site for incineration. TAT Dennis and McLaren + Hart rep. start the placement of the sampling grid. Its decided later that

we need a transit for proper placement. The second excavator starts loading out soils from the eastern parcel of land to the east of stockpile #1. Soils are being loaded to a front end loader and loader is transferring soils to a dump trailer. As previously discussed, dump trailer will be spotted on-site so soil can be analyzed. Other excavator continues to remove soils in stockpiles #1 & #2.

1730 The fifth dump trailer is loaded out and spotted on-site. TAT Denno reiterates to IT personnel that IT upon completion of verification sampling will submit diagrams to EPA and if this is the case then some grid points have to be surveyed in for reproducability.

1800 TAT Denno exits site for TAT office.

1915 TAT Denno arrives back at TAT office and exits for home.

Mark A. Denno

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Wednesday, March 31, 1993
Weather: Clear & Sunny; 55°F; Winds out of the south at 2-3 mph.

0700 TAT Denno arrives at TAT office and exits for the Walton's Farm site in Delran, New Jersey.

0800 TAT Denno arrives on-site. CWM crew, IT rep. & McLaren+Hart rep. on-site at time of TAT arrival. CWM crew is split and performing two operations. One excavator is removing stockpiled soils from the eastern parcel of land to the east of stockpile #1. These soils are being loaded into a front end loader who transfers soils to

a dump trailer. This dump trailer will be spotted on-site and soils will be analyzed for landfilling requirements. Second excavator continues to remove soils from stockpiles #1 & #2. The removal operations are concentrated in area #2 and soil is removed down to the mixing layer (a layer of product & native soils) due to overexcavation during loadout.

0900 Potential landfill soils in first dump trailer with dump trailer are spotted near other on-site dump trailer next to command post. First offsite disposal dump trailer is loaded with soils from stockpiles #1 & #2.

1000 First dump trailer is loaded out, given manifest & land ban sheets, and exits site for CWM facility. Second dump trailer is being loaded.

1130 Second dump trailer is loaded out, given manifest & land ban sheets, and exits site for CWM facility. A Horwith truck ~~with wheel~~ MD drives on-site and removes roll off containing PPE & crushed drums. A third dump trailer is being loaded.

1230 Third dump trailer is loaded out, given manifest & land ban sheets, and exits site for CWM facility.

1300 OSC Don Graham arrives on-site. TAT Denno orientates OSC to site operations and discrepancies found. TAT & EPA perform site reconnaisance.

1330 Fourth dump trailer is being loaded. CWM laborer hand shovels visible residual waste remaining behind excavator.

1430 Fourth dump trailer is loaded out, given manifest + land ban sheets, and exits site for CWM facility. A fifth dump trailer is being loaded. TAT and I.T. personnel start establishing grid in stockpile area. Grid points are arbitrary and not reproducible. TAT makes it clear to I.T. that grid should be reproducible.

1600 Fifth dump trailer is loaded out, given manifest + land ban sheets, and exits site for CWM facility. A sixth dump trailer is being loaded.

1830 Sixth dump trailer is loaded out, given manifest + land ban sheets, and exits site for CWM facility. CWM crew did not excavate all of material in areas #2 + #3 because much of the material is landfillable based on McLaren + Hart's observations. The north area/loadout area has been hand shoveled for removal of product with no excavation occuring. CWM crew dry decons. equipment.

1900 CWM supervisor pulls samples from land between eastern site perimeter fence and stockpile #1. Four samples are drawn from this area and are composites of four 25' x 25' grid cells.

1930 TAT, I.T, CWM, + McLaren + Hart reps exit site.

Mark Anthony Demmo

Thursday - April 1 1993
Weather Rain, Heavy at Times Temps @ 50°F
winds 0-5 mph from the west
0600 - TAT FilosA arrives at TAT office to pick up vehicle + Directions & Exits for the Waltons farm site in Delran, New Jersey, Stopping along the way to purchase fuel for the Suburban and a disposable Camera for photodocumentation.
0800 TAT FilosA arrives on site there is no one here as of this time, waiting for crews to arrive. Site activities planned for today are preliminary field screening by ERCS using Dexsil kits and some site demobilization.
0818 - Douglas Cervenak Engineer from McClaren Hart Corp arrives on site he informs TAT FilosA that the crews will be here shortly IT crews are getting a key to the site. another crew person is flying into Philadelphia and will be on site ASAP.
0828 - IT crew person on site opening gate vince OU , Bill Bailey - IT Corp arrives on site
Picture #1 view of excavated area prior to sampling facing SO the east. IT will set up a grid & collect samples looking for a 10 ppm action level.
0908 - Vince OU holds Tailgate safety meeting topics discussed, PPE, Route to Hospital, chemical + physical Hazards, Sampling Strategies - bill will be using Dexsil Kit model # L 2000 PCB Chloride analyzer.
1000 - Bill + Vince leave site to purchase supplies
1026 picture #2 view of Dexsil Kit L 2000 PCB chloride analyzer
1055 Bill + vince return to site - Bill starts setting up Dexsil Kit and initial calibrations EPA OSC Don Graham will not be on site today.

Thursday April 1 1993 (Con't)

1100 - Vince ~~starting to decon spoons + bowls for sampling~~ JF (~~just a rinse no chemical decon performed~~). Vince + Doug will be laying out grid (4 quadrants) + collecting the samples. 1 sample will be collected from each quadrant. as per PPG's instructions. ~~Bill~~ Doug + Vince will use disposable spoons + bowls initially during sampling. more samples will be collected later

1150 Doug starts setting up grid

1222 picture #3 Doug C. setting up sampling grid. Grid will be 4 50 x 75' quadrants initially. this will be broken down + tied into the verification sampling grid ~~bowls will be used for 25' sampling points~~

SWA 46 is the methodology for the activity concerning the analysis of the soil.

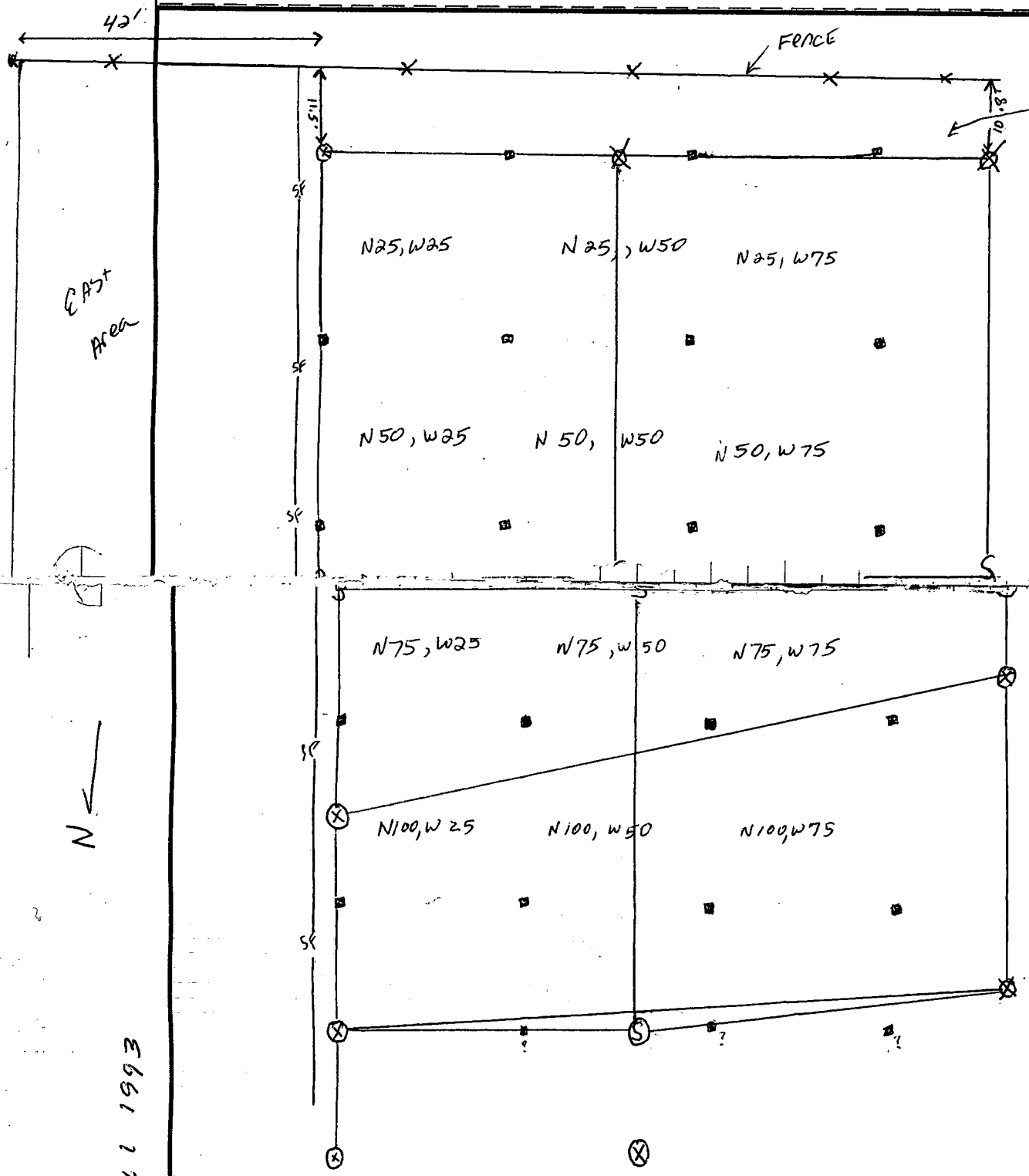
1315 - Sampling strategy is as follows - 12 samples 25' apart will be collected 0-6" from the surface, homogenized in a turkey pan + placed in a plastic bag, stainless steel spoons were decanned with soap + water approx ~~1 kg~~ 10 grams of soil will be analyzed + extracted by Bill using the Dexsil kit. Samples will be collected as close to established grid nodes for reproducability during verification sampling

1340 - Doug + Vince still setting up grid. Bill is extracting soil samples collected yesterday by Chem waste Inc. procedure consists of putting 10 g of soil into a vial + mixing it with Hexane + methanol. The solvents will liberate any chloride ions within the soil. The liquid will be transferred into another vial via syringe (see con'd) then ~~analyzed~~ the probe of the Dexsil kit will be inserted into the vial for analysis - concentration will be in ppm and take approximately 20 mins for results.

Thursday April 1 1993 (Con'tD)
1349 Vince starts collecting samples - all intrusive activities are performed in level C PPE
picture # 4 Vince ou collecting soil samples.
1354 picture # 5 view of extracted soil in vials
(con'tD) The solution is then ~~soil is processed~~ (E) passed through a drying column to get 5 mL of liquid. The liquid is then reacted with sodium to form sodium chloride then analyzed. Following a phase separation
1407 - Doug completed initial flagging of grid ~~[illegible]~~ (JP)
picture #5 Vince ou collecting soil sample - Doug needs to get more supplies to fully complete the grid
1415 - TAT Filosa breaks for lunch
1515 - TAT Filosa returns from lunch - Bill starts to prep + analyze the samples collected by Vince
Samples collected today
N100 - W25, N75 - W25, N100 - W50
N150 - W25, N75 - W50, N25 - W25,
N100 - W75, N50 - W75, N75 - W75,
N25 - W50, N25 - W75, N50 - W50
Doug preparing sampling grid map TAT will obtain a copy.
(see following pages for map)
1530 - TAT Filosa copying sample location map
1610 - picture #6 view of sampling grid facing SW/East.
1630 - Vince + Doug start extending the grid they made earlier over the rest of the site, Bill still analyzing samples collected earlier
1700 - TAT Filosa spoke to TAT Demo Jill
Jill in for him monday here
1705 - TAT Filosa leaving site heading to TAT office in Edison
1800 - leaving office -
[signature] 4/1/93

| BY ____ DATE ____ | McLAREN / HART | SHEET ____ OF ____ |
|---|---|---|
| CHK'D ____ DATE ____ | | PAG |

SUBJECT Field screening Sampling Grid 4/1/93 of Excavated area Only (not inclusive of whole site) JOB NO.

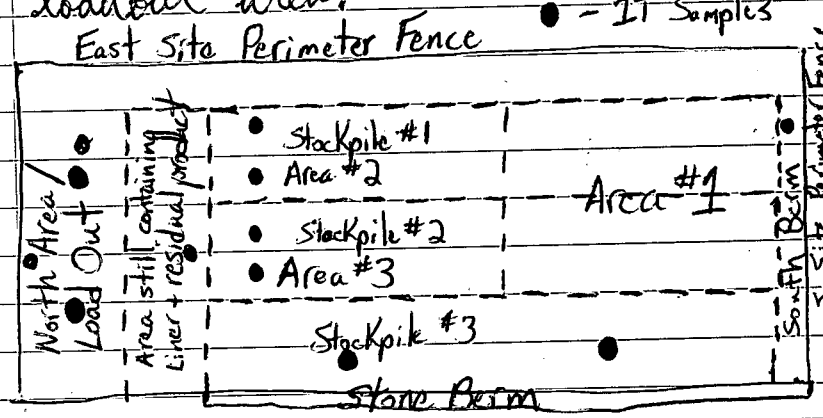



1" = 2'

April 1 1993

Friday, April 2, 1993
Weather: Overcast + Cold; 40°F; no wind.
0630 TAT Denno arrives at TAT office and exits for the Watton's Farm site in Delran, New Jersey.
0730 TAT Denno arrives on-site. McLaren + Hart rep. and I.T. rep. on-site at time of TAT arrival. TAT Denno discusses field screening + sampling methodology with Bill Bailey from I.T.. Discrete samples are taken at square grid nodes.
0800 I.T. personnel, Vince Ou, arrives on-site. Vince Ou and McLaren Hart rep. suite up and pull samples from within the stockpile area. Vince Ou pulls the following samples: 2 samples in the north area (one north of cell 2 + one north of cell 1); 2 samples at 3"+ in area #2 (one west + one east); 2 samples at 3"+ in area #3 (one west + one east); 2 samples in landfill cell (stockpile #3), one north center and one south center. McLaren + Hart rep. pulled four samples; one on south berm, one between north area + stockpiles, and two in north area/loadout area.

● - McLaren + Hart Samples
● - IT Samples



1030 All samples collected are brought to command post for analysis/screening utilizing Dexsil 1/2000 PCB kits. 12 samples need to be screened.

1430 First twelve samples are screened with alot of samples above the action level but landfillable material. McLaren & Hart rep. pulls additional samples along southern, eastern, + northern perimeters. Also, a sample is taken outside degon. pad in drainage channel for screening.

1600 All samples collected are brought to command post for screening. McLaren + Hart rep. exits site. I.T. crew member, Vince, packages samples for shipment to lab to better correlate DDT screening against PCB screening. Also Degon. water is shipped to lab for DDT, DDD + DDE analysis.

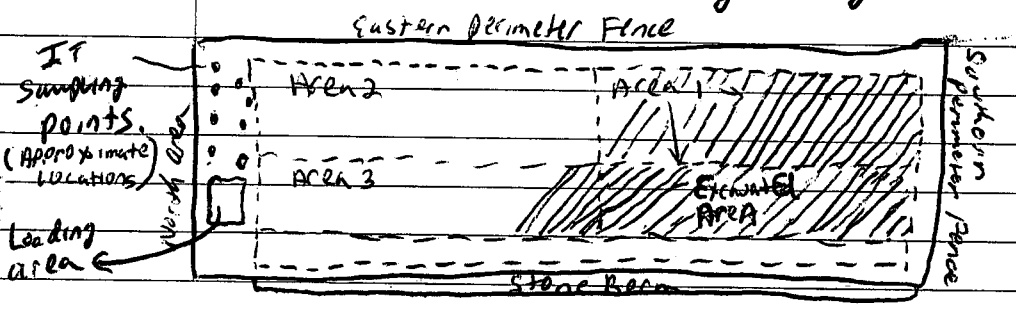
1700 TAT Denno exits site for office.

1800 TAT Denno arrives at office and exits for home.

Mark A. Denno

Monday April 5 1993
0600 TAT J Filosa arrives at office + Exits to Waltons Farm site - Delran NJ
0700 - arrived on site - IT + CWM crews on site
Opening gate - Weather conditions partly cloudy cool temps 40-45°F winds 0-5 mph from the west.
0730 - Spoke to Jim Chem waste Foreman - they are going to scrape soil he said about 5 Trucks will be coming in today to be Loaded - CWM holding Tailgate Safety meeting Topics discussed - PPE, physical + chemical hazards, Respiratory protection. They will scrape 3" of soil initially - CWM crews start prepping for Excavation activities They will start excavating from the south east corner (area 1) IT crew starts setting up Dexsil Kit.
0845 - CWM crew begins Excavating 0952 → Picture #7 view of Excavation activities facing SE
0845 (Cont'd) Soil is being stockpiled on a plastic sheet
1039 picture #8 view of stockpiled soil facing EAST
1050 - Doug Cerverne of McClaren + Hart arrives on site
1st Truck arrives on site. - Trailer volume 51 cu yds
Trailer #s Horwith Trucks - Northampton PA
Serial #s CT-HW411, MA-221, RI-599, DE-OH313
NY-PA 015, NJ-57110 (Exp 2/28/94 Illinois)
NJDEPE #69979 Exp 4/30/93
#43970 " 9/30/93 Lic plate # TM-19723
NJ HMDC W256 - solid waste permit Pennsylvania
Cab #s USDOT 205701 Horwith TRUCKS
ICC-MC-150163 Northampton PA.
PUC-A-98545
NJS 07110 Lic plate # AB-16806-PA
HF 78786
KYU 048406

Monday April 5, 1993
1141 CWM crew starts loading 1st Trailer with Excavated soil. Picture #9 view of Excavated soil being loaded into trailer facing North East.
The trailer is parked on a plastic & plywood pad as is the tractor.
1210 - 2nd trailer arrives on site
AB-12468 - Cab Lic plate # Horwith Trucks inc Pennsylvania Northampton PA.
Trailer & cab same serial #'s Except NJ HMDC solid waste permit #is. G128 on trailer
Trailer Lic plate #. TY-14553-PA
1215 1st Trailer is fully loaded + exiting loading area
1221 3rd trailer arrives on site - Horwith Trucks Northampton PA. Same serial #s NJ HMDC solid waste permit # not on trailer - Cab Lic plate AB-18141-PA Trailer plate # TM-84348-PA
1200 - TAT JFilosA breaks for lunch - leaving site, CWM, IT crews break for lunch
1300 - TAT JFilosA back on site all soil will be shipped to Model City NY to CWM Chemical Services Inc as RQ Hazardous waste solid N.O.S ORM-E NA 9189 (U060 U061 Contaminated soil / Debris)(DDT)(DDD)(DDE)
FACILITY EPA ID # NYD049836679, Horwith Trucking EPA ID # PAD064035819
1324 CWM crews start loading 2nd trailer
1358 - 2nd trailer loaded + Exiting loading area



monday April 5 1993
1420 IT crew Starts Collecting Surface soil
Samples from the north area Samples are collected
0-6" beneath the Surface, homogenized in a turkey pan,
then placed in a ~~Container~~ plastic zip lock bag
1425 4th ~~Trailer~~ and 5th Trailers arrive on site. 4th
Trailer is Horwith Trucks Northampton PA
Same serial #s Except ~~NJDEP~~ NJHMDC Solid waste permit
which is R581 Cab Lic plate # AA-69051-PA +
H NK 622-VT Trailer Lic plate # TK-29248-PA
5th Trailer Cab Lic plate # AA-64600-PA
Ernest FRANZ Bros. Inc. NJDEP 17248
HF-114513, USDOT 261995, PUC-A-109195
ICC-MC 218242 NO NJHMDC-Solid waste permit on trailer
Trailer-NJDEP 17248 AB, Ti-Brook Trailers
Brookville PA-leased to Horwith Trucking. NTPA015
PAA H0716, NJS 7110 Lic plate # TS-18818-PA
1441 IT crew finished sampling They collected 8 Samples
from the north area, they are starting to prepare & analyze Samples w/Dexsil Kit
1452 Sample locations collected today by IT
S20-W80, S40-W100, S60-W100, S40-W80
S20-W60, S40-W40 S20-W20, S20-W40
4th Trailer is at loading area The 3rd trailer to
arrive was left by the Command post Empty, it will
be loaded at a later Time.
1536 CWM crews loading 4th trailer
1607 4th trailer loaded, 5th trailer heading to
loading area
1618 5th Trailer being loaded by CWM, 4th trailer
Exiting site
1620 picture #10 View of Excavated area facing
East IT crew still analyzing 8 Samples
Collected in the north area

Monday April 5 1993
1630 All trailers were loaded in the following manner: Soil scraped up by the backhoe was stockpile then lifted from the stockpile + placed into the bucket of the Tractor which then loaded the soil into the trailer. The side of the trailer was lined with poly sheeting to prevent contamination + spillage onto the trailer all trailers were covered with a final Tarp when loaded. The poly was removed along with the soil.
1650 5th trailer is loaded + exiting loading area
4 Trailers filled today (1st and 4th + 5th) Each Trailer received 7 1/2 buckets full of soil from the tractor
1700 TAT J Filosa leaving site heading to TAT office
1900 TAT J Filosa arrives at office + Exits for home
[signature] 4/5/93

Tuesday, April 6, 1993
Weather: Clear + Cool. 40°F. Winds out of the northeast at 5mph.
0645 TAT Demo arrives at TAT office and exits for the Walton's Farm site in Delran, New Jersey.
0745 TAT Demo arrives on-site. CWM crew, I.T. personnel, + McLaren + Hart representative on-site at time of TAT arrival. Also, one dump trailer from Hruth Trucking is on-site. CWM crew is removing soils from stockpiles #1 + #2. Specific areas are area #1 + area #2. Soils are excavated (thin lift approx. 3"), transferred to a front end loader, and then transferred to the dump trailer. I.T. site supervisor, Bill Bailey, is pulling samples in the area north

of the stockpile cells to fully characterize the contamination within this area. Approximately, eighteen samples are pulled in this area with I.T. chemist screening samples for chloride content utilizing Dexil L2000 kits. TAT Denno photo documents activities.

0930 First dump trailer is loaded out, given manifest + land ban sheets and exits site for CWM landfill in Model City, New York. All soils below liner are less than 1000ppm and can be landfilled. Second dump trailer is being loaded out. No Dump trailer is from Mitchko who was subcontracted out by Horwith Trucking.

1100 Second dump trailer is loaded out, given manifest + land ban sheets, and exits site for CWM landfill. Third dump trailer is being loaded. I.T. crew continues to screen samples for chloride content, while McLaren + Hart rep. continues to oversee site operations as a neutral party. Additional samples are being pulled from behind the excavator in Area #1. Excavator continues to remove soil (3" thin lift) before loading front end loader.

1200 I.T. Chemist continues to screen samples for chloride content. CWM crew actually starts loading the third dump trailer (needed to excavate soils prior to loadout).

1330 Third dump trailer is loaded out, given manifest + land ban sheets, and exits site for CWM landfill. CWM crew continues to

remove soils in areas #1, #2, & #3. All waste is not removed in area #2 due to the depth and potential volume generated. I.T. is responsible for this area and wants to contest its removal with PPG.

1430 Fourth dump trailer is being loaded. CWM supervisor takes samples along eastern perimeter fence. Samples are a 5 point composite of a five foot wide by 50 foot length areas as he traverses north along the fence. I.T. sample tech pulls samples from southern end of stockpile #2 and in entire area of stockpile #3. TAT photodocuments operations.

1600 Fourth dump trailer is loaded out, given manifest & land ban sheets, and exits for CWM landfill. CWM crew continues to remove soils in areas #2 & #3. I.T. chemists continues to screen samples for chloride content utilizing the Dexsil L2000 kits.

1630 TAT Demno exits site for TAT office

1730 TAT Demno arrives at TAT office.

Mark A. Demno

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Wednesday, April 7, 1993
Weather: Clear & Cool; 45-50°F; Wind

0645 TAT Demno arrives at TAT office and exits for the Walton's Farm site in Delran, N.J..

0800 TAT Demno arrives on-site. CWM crew, I.T. crew, and McLaren & Hart representative on-site at time of TAT arrival. Also, one dump trailer

from Horwith trucking is onsite being loaded. CWM crew is removing soils from areas #2 & #3 and performing direct loadout operations. Excavator is directly loading dump trailer. Soils removed from area #2 are extensive due to the mixing of waste with natural soils during loadout operations. I.T. supervisor Bill Bailey records number of buckets excavator unloads to dump trailer to estimate percentage of responsibility on the disposal cost of this load.

1000 I.T. sample tech pulls samples from areas #2 & #3. First dump trailer is loaded out, given manifest & land ban sheets, and exits for CWM facility.

1030 Conference call between I.T., PRC, & McLaren Hart reps to discuss area #2 and disputed volume of soil. After all is said and done, IT will be responsible for 29% of the disposal cost for the first dump trailer load going to Model City, N.Y. for landfilling.

1100 I.T. sample tech screens samples for chloride content. Note: Yesterdays CWM perimeter samples came up "hot" or above action level. CWM crew starts loading dump trailer which had been spotted on-site last week with soils to the east side

1230 Spotted dump trailer, second dump trailer today, is loaded out, given manifest & land ban sheets, and exits for CWM facility. Third dump trailer is being loaded.

Dump trailer continues to be loaded with soils from the eastern parcel of land between stockpile #1 and the eastern perimeter fence.

1400 Third dump trailer is loaded out, given manifest + land lan sheets and exits site for CWM facility. I.T. sample tech. pulls samples (3) in area between south berm and southern perimeter fence. Also samples are pulled in areas #2 + #3. CWM crew excavates soil in the area north of the stockpiles. Removal consists of a thin lift, approximately 3 inches. Excavator starts in northeast corner of the stockpile area and traverses westward. All soils removed are temperarily stockpiled for loadout activities.

1500 Soils samples are screened for chloride content. Initial results indicate that areas #2 + #3 still are above action levels. All areas south + east are "clean".

1600 Fourth dump trailer is being loaded.

1645 Fourth dump trailer is loaded out, given manifest + land lan sheets, and exits site for CWM facility. Fifth dump trailer is being loaded. IAT Denno exits site for office.

1745 IAT Denno arrives at office + calls site for loadout times. Note: fifth dump trailer loaded out at 1730 and a sixth dump was being loaded. Assuming 45 minutes per loadout. Site operations will close at 1830.

Mark A. Denno

Thursday, April 8, 1993
Weather: Sunny + Cool; 50°F. Winds out of the northwest at 0-3mph.

0600 TAT Denno arrives at TAT office and exits for the Walton's Farm site in Delran, N.J..

0700 TAT Denno arrives on-site. CWM crew, I.T. crew, and McLaren+Hart rep. on-site at time of TAT arrival. Daily health + safety meeting has just ended. CWM crew continues to removal soil in the north area utilizing same operations as previously discussed.

0815 First dump trailer is being loaded. I.T. sample tech. is pulling soil samples around "hot" samples previously pulled in areas #2 + #3 to further delineate these spots.

0930 I.T. screens soil samples for chloride content. CWM crew repositions excavator in stockpile #3 area and starts a thin scrap of area. First dump trailer repositions to within stockpile #3 area. I.T. pulls soil samples approx. 10' ~~[illegible]~~ north of the north perimeter fence, and every 25'. These samples will delineate chloride migration through surface water, runoff or drainage. TAT Denno photodocuments all IT + CWM activities.

1030 First Dump trailer is loaded out, given manifest + land ban sheets, and exits site for CWM facility. Second dump trailer is being loaded.

1115 Second dump trailer is loaded out, given manifest & land ban sheets, and exits site for CWM facility. Third dump trailer is being loaded. I.T. crew continues to screen soil samples for chloride content.

1230 Third dump trailer is loaded out, given manifest & land ban sheets, and exits site for CWM facility. Fourth dump trailer is being loaded.

1330 Fourth dump trailer is loaded out, given manifest & land ban sheets, and exits site for CWM facility. I.T. crew pulls soil samples in Stockpile #3 for screening. Fifth dump trailer is being loaded. TAT photodocuments.

1430 Fifth dump trailer is loaded out, given manifest & land ban sheets, and exits site for CWM facility. CWM supervisor pulls samples in eastern parcel of land between Stockpile #1 & eastern perimeter fence. I.T. crew screens samples for chloride content to use as a basis for further removal or non-removal.

~~1530~~ no A sixth dump trailer is being loaded.

1530 Sixth dump trailer is loaded out, given manifest & land ban sheets, and exits site for CWM facility. CWM crew dry decons front end loader and starts demobing for Easter Holiday.

1600 CWM crew exits site. I.T. crew pulls samples from the north area (area north of stockpiles previously the loadout area). Samples are being screened for chloride content.

1700 TAT Demo exits site for TAT office.

Mark A. Demo

Monday, April 12, 1993
Weather: Clear + Cool; 50°F; Winds out of the northwest at 0-3mph.

0600 TAT Denno arrives at TAT office and exits for the Walton's Farm site in Delran, N.J..

0700 TAT Denno arrives on-site. CWM crew, I.T. crew, and McLaren + Hart rep. on-site at time of TAT arrival. CWM crew removes a thin scrap of soil in the area between the eastern site perimeter fence and stockpile #1 based on field screening performed on 4/8/93.

0915 Enough soil has been temporarily stockpiled for loading of first dump trailer. Dump trailer pulls up to stockpile by driving into north area. Visqueen is placed on soil to avoid mixing.

1000 First dump trailer is loaded out, given manifest + land ban sheets, and exits site for CWM landfill in Model City, New York. Second dump trailer is being loaded.

1045 Second dump trailer is loaded out, given manifest + land ban sheets, and exits site for CWM facility. CWM crew and excavator start removing soil in the north area. TAT Denno photodocuments all activities.

1135 Third dump trailer is being loaded

1230 Third dump trailer is loaded out, given manifest + land ban sheets, and exits site for CWM facility. I.T. crew starts placing in sampling grid and pulls samples in support area for preliminary screening. Soil samples are screened for chloride content.

1330 Fourth truck being loaded. Soil samples continue to be screened by I.T. crew.

1430 Fourth dump trailer is loaded out, given manifest + land ban sheets, and exits site for CWM facility. CWM crew rescraps north area which was previously known as the loadout area + temporarily stockpiles soil.

1515 Fifth dump trailer is being loaded. Dump trailer is being loaded directly with excavator. CWM supervisor hand shovels surficial product remaining in all areas as TAT observes.

1530 TAT observes visible product spread throughout area #2 and makes I.T. crew + McLaughlin + Hart rep. aware of this. I.T. crew + CWM crew will remove residual product through hand shoveling even though TAT feels it will not adequately address area. This area will be a biased sampling area.

1600 I.T. crew establishes complete grid throughout removal area/stockpile areas. TAT photodocuments soil removal + delineation of grid system.

1630 TAT Denno exits site for TAT office.

1730 TAT Denno arrives at TAT office and exits for home.

Mark A. Denno

Tuesday, April 13, 1993

Weather: Clear + Cool; 50°F. Winds out of the northwest at 0-3 mph.

0630 TAT Denno arrives at TAT office and exits for the Walton's Farm site in Delran, N.J.

0730 TAT Denno arrives on-site. I.T. crew and the EPA/OSC on-site at time of TAT arrival.

EPA, TAT, & I.T. crew choose biased sampling locations for establishing n of the number of samples needed to verify the mean [ ] of the site is below the cleanup standard.

0830 I.T crew, TAT & OSC pull random sampling locations by drawing numbers which are established nodes within the grid.

0845 I.T. crew pulls ten soil samples at random nodes established earlier. At each location, I.T. crew removes soil from a 12" x 12" x 3" area and thoroughly mixes soil before placement into an 8 oz glass wide mouth jar. Also, at each location field screening samples are pulled. This is to check samples before sending to a fixed laboratory. Additionally, I.T. crew pulls composite samples in biased areas chosen by TAT & OSC. Composite sampling is supervised by TAT to ensure representiveness of composite sample. TAT photodocuments all sampling operations.

1030 I.T. crew screens soil samples for chloride content so we can establish the number of samples needed for verification. I.T. first five random samples will be used along with the five biased composite samples. The other five random discrete samples taken by I.T. will be archived and used later if n increases above the five original samples taken.

1230 TAT Denno gets screening results from

I.T. crew to calculate n. Based on preliminary sampling results, 1424 samples are needed to verify the cleanup of the site. The number is so high because of the variability within the sample results.

1330 I.T. supervisor calls all parties involved to make them aware that further excavation must be done before verification can happen.

1430 I.T. crew reruns samples to see if "high" hits were due to anomalies such as a chunk of waste being in the sample.

1530 Samples reanalyzed came back with the same numbers. TAT calls OSC Don Graham to inform him of current site situation. Also, TAT informs TAT PM Eric Wilson of the current situation.

1630 EPA + I.T. agree on a verification protocol. CWM crew will cleanup "hot" biased areas. I.T. crew will have to demonstrate to TAT that the areas have been "cleaned". Five new discrete biased samples will be pulled from the old biased areas. I.T. will be able to keep their ten previous samples if during cleanup of biased areas, site conditions do not change.

1700 TAT Denno exits site for TAT office.

1800 TAT Denno arrives at TAT office.

Mark A. Denno

Wednesday, April 14, 1993
Weather: Clear + Sunny; 55°F; Winds of of the north at 04 mph.

0700 TAT Denno arrives at TAT office and exits for the Walton's Farm site in Delran, New Jersey.

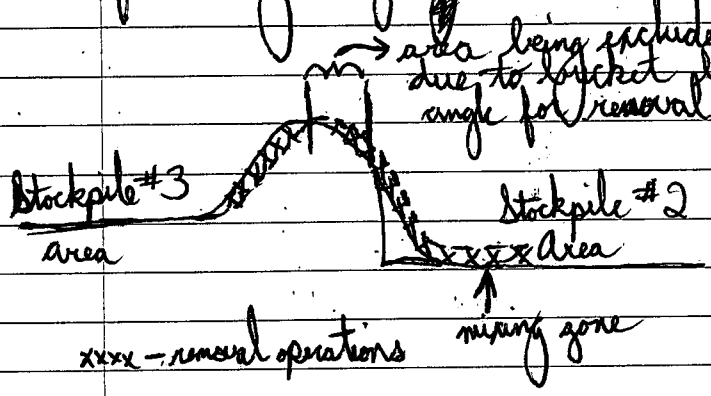
0800 TAT Denno arrives on-site. CWM crew + I.T. crew on-site at time of TAT arrival. I.T. crew is pulling samples discretely around biased area #2 (Area #2 east wood chip pile) to delineate the horizontal extent of contamination in this area.

MD CWM crew starts scraping in BD4 area (loadout road) but exclude removal in grid cell (N150 W100; N150, W125; N175, W100; + N175, W125) even though this area was "hot" during biased sampling.

0830 I.T. crew screens soil samples for chloride content.

0930 First Dump trailer is loaded.

1030 Excavator repositions to remove thin scrap in berm between stockpiles #2 + #3. Removal on berm is complicated due to slope of berm. TAT observes + photodocuments removal activities. During soil removal on berm, mixing has occurred with stockpile #2 area. The following diagram shows removal operations:



1130 CWM crew continues to load first dump trailer.

1230 First dump trailer is loaded out, given manifest & land ban sheets, and exits for CWM facility. Second dump trailer is being loaded

1340 Second dump trailer is loaded out, given manifest & land ban sheets, and exits for CWM facility. CWM crew repositions excavator in biased area #2 to remove soil delineated by I.T. crew as being hot. Soil is being temporarily stockpiled west of this area for direct loadout with dump trailers.

1530 Third dump trailer is being loaded.

1630 Third dump trailer is loaded out, given manifest & land ban sheets, and exits site for CWM facility. Fourth dump trailer is being loaded. During removal operations in this area, operator excluded delineated areas and mixed soil in some areas. Other areas did not even have soil removed as evidence of old existing wood chips on the surface where wood pile was.

1730 Fourth dump trailer is loaded out, given manifest & land ban sheets, and exits site for CWM facility. TAT Demmo exits site.

1830 TAT Demmo arrives at office.

Mark A. Demmo

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Thursday, April 15, 1993

Weather: Overcast & Cool; 50°F; Winds out of the north at 0-3 mph.

0700 TAT Demmo arrives at TAT office and exits

for the Waltons Farm site in Delran, New Jersey.

0800 TAT Denno arrives on-site. I.T. crew and CWM supervisor on-site at time of TAT arrival. I.T. crew is pulling samples discretely in and adjacent to berm located between stockpiles #2 + #3. Samples will verify removal effectiveness after first scrap.

0830 I.T. crew starts screening samples for chloride content. CWM excavator operator arrives on-site. Two dump trailers are on-site awaiting loading. CWM crew starts loading first dump trailer with soils from old sawdust pile area which had been temporarily stockpiled yesterday.

1000 Excavator repositions to remove thin scrap in berm area based on I.T. screening. Soils are temporarily stockpiled north of the berm for loadout.

1100 CWM crew continues to loadout first dump trailer. I.T. crew takes soil samples in east biased area to check the effectiveness of the soil removal. Samples pulled are biased to potential areas missed by excavator.

1200 First dump trailer is loaded out, given manifest + land ban sheets, and exits for CWM facility. Second dump trailer is being loaded. With berm addressed, I.T. crew pulls samples in southern half of berm, potential piping area w/ stockpile #2 area, + western side of berm to check effectiveness of removal.

1400 Second dump trailer is loaded out, given manifest & land ban sheets, and exits for CWM facility. Excavator repositions to remove additional soil in east area based on I.T. screening. Soils ~~again~~ (MP) are temporarily stockpiled northwest of the east area for loadout. I.T. crew pulls soil samples in and adjacent to original loadout road area to verify effectiveness of the removal in this area done yesterday.

1600 Third dump trailer is being loaded. I.T. crew pulls soil samples in east area to verify effectiveness of the removal in this area.

1800 I.T. crew pulls soil samples in entire east area (biased area) and berm area to verify effectiveness of removal. Third dump trailer is loaded out, given manifest + land ban sheets, and exits for CWM facility.

1830 I.T. screens soil samples for chloride content. All areas are clean + ready for EPA discrete biased samples. Samples are taken in five areas: roadway/loadout area, south liner area including both stockpile #1 + #2, east/wood chips area, west berm, + eastern perimeter area.

1900 All samples are screened for chloride content and results are below clean up standard. TAT calculates n with

preliminary results. Statistics verify that I.T. has taken enough samples to verify the mean [ ] of the site is below the cleanup standard with a 95% confidence level.

1930 TAT Denno exits site for TAT office.

2030 TAT Denno arrives back at TAT office.

Mark A. Denno

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Monday, April 26, 1993

Weather: Cool & Overcast; 60°F; Winds out of the southeast at 0-3 mph

1115 TATs Tseng and Denno exit office for Walton's Farm site in Defran, New Jersey.

1215 TATs Denno and Tseng arrive on-site. I.T. crew on-site at time of TAT arrival. I.T. foreman and laborer/operator are establishing grid for verification sampling within the support zone. I.T. site characterization manager (Bill Bailey) pulls samples from logout road at northeastern corner of the support zone. TATs Denno and Tseng observe site operations. TAT Denno orientates TAT Tseng to site operations including past and present operations. TAT Tseng is given site responsibilities and what to look for during removal operations. Areas of concern where "potential hot spots" exist are, eastern stone berm, northeastern loadout area, ~~and~~ decontamination pad, and surface water drainage/migratory pathways.

1300 I.T. chemist/supervisor screens soil samples for chloride content using the Dexsil L2000 kits. Nine samples from the northeast loadout area are screened. Initial results indicate that the area is "hot" or above action level of 10 ppm total DDT, DDD, + DDE.

1430 OSC Don Graham arrives on-site and instructs TATs as to what areas should be scrutinized during removal & ~~tookdown~~ verification operations. TAT Demmo discusses pumping of decon. water & disposal options with I.T. I.T. personnel inform TAT & EPA that soil samples have been taken within the filter sand of the decon. pad and sent in for laboratory analysis. John Deere excavator/backhoe with front end loader arrive on-site. Dump trailer from Howith Trucking is deadheaded & spotted on-site.

1600 I.T. crew starts excavating soil in loadout road area that was screened & came up "hot". TAT Tseng photodocuments activity.

1630 I.T. crew starts pulling samples along eastern stone berm and south of loadout road area.

1715 TATs Demmo + Tseng exit site for office.

1830 TATs Demmo + Tseng arrive at TAT office.

Mark A. Demmo

Tuesday 4/27/93, cloud, windy, 40s.

0630 TAT arrive on Edison office, pick up Vehicle, head south walton's Farm site.

0810 TAT, Tseng arrive on-site, IT crew getting ready to excavation operation, site manager Bill Bailey brief the Safety Meeting (proper PPE required while removal activities in operation). He than Begin the field DDT screening analysis for the samples IT crew have collected for the eastern Berm.

0840 Front end loader was delivered.

0900 crew begin excavating the hot spot on the "T" area around the intersection of Berm and fence line. TAT photodocument. Bill Bailey mention to TAT the analytical result of the decon pad area came out hot, above removal level, he will call PRP, PPG, for the approval of remove that decon pad.

1020 Complete field screen analysis result, only the middle of the Berm came out hot. TAT suggest IT to remove the hot area first. Keep on running screen till the "clean" area, and wait for OSC's decision to stop. Bill Bailey spok to PPG, will remove the decon pad area.

Crew can't remove the decon pad before all the water is pump out. crew continue to pump the water out.

1200 IT crew punch more holes on the

| | |
|---|---|
| | water collecting drum in the very low point of the decon pad. to be able to collect more water in the lower section of the decon pad. |
| | * The analytical result of the water that was pumped out from decon pad Total DDT + DDE + DDD ≐ 1 ppb. |
| 1300 | Lunch break. |
| 1330 | Resume. |
| | One dump truck load of stone was loaded. |
| 1400 | IT crew explain to TAT about the stone above a Geoliner on top of decon pad was put inplace to secure the Geoliner after ~~the use~~ they done use with ~~Ge~~ decon pad. TAT suggest IT to collect a composite sample and run field screen to ensure the stone is clean. B. Bailey collect a composite sample on the area which was screap apx. 1 foot - 2 feet this morning. and 3 samples alone the center line which was come out hot according yesterday's field screen |
| 1530 | Crew have to take off due to No empty dump truck was delivered on-site. |
| | B. Bailey continue run the screen test. |
| 1600 | field screen result come out all appeared to be "clean". |
| | TAT up date all infor. into Log book and field screen result. |
| 1630 | OSC call in. TAT update him |

The activities happen on-site.
I.T. will not be able to collect the confirmation samples. until Thuresday.
1710 TAT off the site.
1825 Come back to the Edison office.

Wednesday 4/28/93, clear, 40-60's, breeze
0720 TAT, Tsenen, arrive on-site. I.T. crew on-site, expecting empty dump truck deliver. (it was arranged to deliver at 0700 hours)
0800 Dump truck deliver the dumpster on-site. TAT spoke to Bill Bailey about the work plan for to day. He said will remove the middle of Berm hot area and North, 50% of the decon pad. He is counting the 25' grid, will make labels for each point and getting ready for pick up the random conformation sample point and run the analysis.
0850 Excavating Hampered by Hydralic fluid leak on backhoe.
0900 Equipment operator utilize Front end loader to remove some "hot point" in the middle of berm
0930 Equipment operator complete screap the Hot area of the Berm. B. Bailey collete 2 samples. running field screen test will find out if further excavation needed after test result come out.
0950 Two Group samples test result show

lower than detection limits.
The Berm is consider to be "Clean".

1200 Lunch break.

1230 Resume. The backhoe was fixed while TAT out for Lunch.
Bill Bailey prepare the indicator for the rendom sample events.
TAT observerd, a Total 77 indicator were prepared representen each Grid point.

1305 TAT, B.B. and the equipment operator help to pick, 10 point were selected, first 5 will be the confirmation sample "by random" second 5 will be back up samples.
Tomorrow the selected sample location will be properly staked before sample.
OSC will be on-site at 0700 hours Tomorrow morning to choose the 5 bias samples.

1400 equipment operator complete ~~the~~ remove the section in truck loading area. (The intersection of Berm and Fence).
B.B. collect 2 samples and I.T. Begin removal operation in the Decon pad area.
TAT photo documents.

1500 2 Grap follow up sample test by the field screen kit, indicate "clean"

1530 Ground water present in the excavated tranch. North end of the decon pad.
Crew pump the most out of there.
Continue excavation.

1730 Crew off-site. TAT off-site.

James Perry

Thursday, April 29, 1993
Weather: Clear & Sunny, 55°F, Winds out of the southeast at 0-1mph.

0530 TAT Denno exits office for the Walton's Farm site in Delran, New Jersey.

0700 TAT Denno arrives on-site and site gate is locked. TAT awaits I.T. and OSC arrival.

0705 OSC & I.T. supervisor Bill Bailey arrive on-site.

0715 I.T. crew arrives on-site including foreman and operator. Tailgate health and safety meeting commences. Chemical & physical hazards are addressed.

0730 I.T. crew, OSC, and TAT discuss locations for discrete biased sampling locations to address "areas of concern" by the USEPA. Also locations of random points for verification sampling and generation of n-tree delineated. Ten random soil samples will be pulled at grid nodes. Five will be used for analysis and five will be archieved. TAT & OSC will choose five biased samples (both discrete & composite). Of the biased samples: two will be in the debran pad area and will be discrete, one composite will be in the loadout/truck turnaround area, and two will be at the eastern perimeter stone berm (one discrete & one composite). Sampling methodology for samples in stone covered areas will be as follows: Soil within stone will be collected as best as possible & soil below geotech will be collected within the same sample then composited.

0900 I.T. rep. Bill Bailey starts collecting random

soil samples at the random sampling nodes previously selected on 4/28/92. TAT Benno observes sampling operation and photodocuments. Initial samples taken are within or under stone to knock out the hardest ones to sample first.

1030 TAT Benno walks around with I.T. foreman to shovel residual product on eastern berm and stockpile area. Recent precipitation has exposed large (<3") clumps of contaminants. Material is shoveled up and bagged.

1100 I.T. rep. Bill Bailey starts collecting biased samples. A three point composite is pulled out of the loadout road/turnaround area adjacent to the stone berm. This sample is pulled now because it is covered with stone.

1115 Bill Bailey continues to pull soil samples from random locations. His efforts are now concentrated on soil only samples (no stone or geotech covering). TAT Benno photodocuments activity

1300 I.T. screens soil samples utilizing the Dexsil L2000 PCB-Chloride analyzer.

1500 All samples are screened including biased samples except decon pad area. All samples are below the 10 ppm cleanup level. I.T. crew is waiting on Horwith dump trailer to continue excavation of decon pad. Once removed TAT will choose biased sampling locations.

1830 TAT Denno exits site after no dump trailer showing up. In the meantime, I.T. & TAT staked out sampling locations for future surveying/samples.
1930 TAT Denno arrives at office.
Note: Preliminary screening/verification results indicate that the support area is "clean".

Mark A Denno

Friday, April 30, 1993
Weather: Clear & Sunny; 70°F; Winds out of the southeast at 0-9mph.
0530 TAT Denno exits office for the Walton's Farm site in Delran, New Jersey.
0700 TAT Denno arrives on site. I.T. crew and Horwith trucking dump trailer on-site at time of TAT arrival. Tailgate health and safety meeting commences. Level of protection, routes of exposure, chemical & physical hazards are addressed.
0730 I.T. crew continues to remove stone & soil from decontamination pad. Operator removes soil with the backhoe and loads directly to a front end loader. Front end loader transfers soil to dump trailer. Only one dump trailer of contaminated soil & stone will be removed today. TAT records observations and photodocuments removal operation.
0900 I.T. crew collects screening & biased soil samples in the decontamination pad area. One sample (biased #4) is a 13 point composite sample of the bottom of the

decontamination pad. The other biased sample #5 is at the southern perimeter of the pad and is a discrete sample. Screening samples were taken at these areas and at the eastern perimeter and within the decon. stone.

0930 I.T. crew screens samples for chloride content to verify the success of the excavation within the decon. pad.

MD ~~10~~ Horwith dump trailer remains on hold until results confirm a successful removal or more soil must be removed.

1030 All samples are below the 10ppm total DDT, DDD, + DDE cleanup level. I.T. crew preps samples for shipment to Chester Labs for DDT, DDD, + DDE analysis.

1130 All verification samples are brought to the airport for shipment to lab. Backhoe is demobilized from the site.

1230 Front end loader is demobilized from the site. I.T. crew demobs and TAT exits for office.

MD 1430 TAT Denno arrives at office and unloads TAT vehicle.

Mark A. Denno

May 26, 1993

0815 TATs Wilson and Delaney arrive on site and meet with IT supervisor Kurt Best.
Weather: 65°F overcast
TATs go over restoration activities planned for support areas with K. Best.
Items to be addressed:
- All stone will be removed from the support area and the access road.
- Support area and access road will be rough graded.
- ~~§~~ Fence surrounding the support area will be taken down and may be left on site for owner's use.
- ~~Wash out~~ EW Areas of subsidence ~~adjacent~~ bordering to the the creek will be filled with topsoil.
- ~~Wash out and erosion~~ EW
- Eroded utilities ditch will be filled.
- ~~Decon pad~~ EW Hole remaining from excavation of decon pad should be filled. (Note: this was not discussed with K. Best)

0900 Wilson and Delaney off site.

Eric

September 28, 1994

0745 TAT Wilson arrives on site. Weather: 65°F Clear skies, low winds.
Work described in previous entry (dated 5/26/93) was not performed due to ~~problems~~ re-classification of ~~supp~~ support area ~~stone~~ as listed hazardous waste (for DDT).
Activities scheduled for today include collecting samples of stone in support area for analysis for pesticides. Data to be used to determine proper handling / disposal.
Sampling plan for this event is described in letter from Mark Terril, PP Industries Inc to Donald Graham USEPA Region VI Removal Action Branch dated August 26, 1994.

1000 Sampling begins. Personnel on site:
Don Graham EPA
Eric Wilson TAT
Frank Bruzzese IT
Joe Beitz IT

1530 Eric Wilson & Don Graham off site. Samples were collected in accordance with sampling plan

Eric Wilson

FEBRUARY 28, 1995 —

0730 - TAT LEBRON ON SITE.
WETHER: RAINING / TEMP. 35°

0750 — IT PERSONNEL ON SITE. —
- KURT BEST (SUPERVISOR)
- FLOYD PAUL
- ALEX KASH
- FRANK DEKLEVER

0805 - LEBRÓN MET WITH IT SUPERVISOR K. BEST. —

0810 - DONALD GRAHAM, EPA OSC ON SITE. —

LEBRON, GRAHAM & BEST DISCUSSED WORKPLAN AND TASKS SCHEDULE FOR THE WEEK. —

0835 - DONALD GRAHAM OFF SITE.

0845 - TWO TRUCKS FROM DRILING CORP. TABASCO ON SITE. TWO PEOPLE FROM DRILING CORP. ON SITE.

0915 - DRILING CORP. PERSONNEL SET UP THE MACHINES TO REMOVE THE WELL POLE INSTALLED IN THE AREA TO BE REMOVED (SUPPORT AREA)

0925 - IT PERSONNEL OFF SITE.

0950 - DRILING CORP. PERSONNEL FINISH TO REMOVE OVERGROUND WELL POLE AND THEY COVER THE HOLE WITH CEMENT.

1010 - DRILING CORP. PERSONNEL OFF SITE. —

(STILL RAINING.) —

1130 - TWO MACHINES COMING FROM PITTSBURG ARRIVE AT THE SITE. —

1230- IT PERSONNEL START WORKS ON SITE. THE RIGHT HAND SIDE OF THE SUPPORT AREA BEGIN TO BE REMOVED.
1630- SITE'S WORKS FINISH FOR TODAY. EVERYBODY OFF SITE.

MARCH 1ST, 1995, WEDNESDAY
0830- TAT LEBRÓN ON SITE.
WETHER: PARTLY CLOUDY / TEMP. 40°
THERE IS NOBODY ON SITE AT THIS TIME. ONLY TWO MACHINES THAT WERE LEFT ON SITE YESTERDAY. TAT LEBRON TAKES SOME PHOTOS OF THE SITE'S AREA.
0910- TAT LEBRÓN OFF SITE TO GO TO TAT'S OFFICES IN EDISON, NEW JERSEY.
1030 - TAT LEBRÓN ARRIVES AT THE OFFICES IN EDISON, NJ.
1230 - TAT LEBRON ON SITE. IT PERSONNEL ON SITE. THEY ARE WORKING ON CLEAN UP AND REMOTION WORKS. THEY ARE TAKING THE GEOTEXTILE MATERIAL FROM THE STONES ~~REMOVED~~ AND SEPARATING IT FROM THE REST OF THE REMOVED GROUND.
1300- TAT LEBRON PROCEEDS TO TAKE PHOTOS OF THE AREA AND WORK ACTIVITIES.

1330 - ADDITIONAL TRUCK (SCREENING MACHINE) COMING FROM PITTSBURG ARRIVES AT THE SITE.

1400 - IT PERSONNEL CONTINUE WORKING ON REMOVAL ACTIVITIES. EVERYTHING OK.

1730 - TAT LEBRON OFF SITE

1800 - IT PERSONNEL OFF SITE

MARCH 2nd, 1995, THURSDAY

0700 - IT PERSONNEL ON SITE.

- KURL BEST (SUPERVISOR)
- FLOYD PAUL
- ALEX KASH
- FRANK DEKLEVER

0830 - TAT LEBRON ARRIVES AT THE SITE.

WETHER: SUNNY DAY / 45° / LOW WINDS

0845 - TAT MET WITH KURL BEST, IT SUPERVISER TO DISCUSS WORKPLAN FOR TODAY, AT TIME THE REST OF IT PERSONNEL WORKING ON REMOVAL AND CLEANUP ACTIVITIES.

ONE MACHINE OPERATOR REMOVES THE STONES AND GROUND FROM THE SUPPORT AREA. SCREENER IS USED TO SEPARATE THE STONES FROM THE REST OF THE MATERIAL. THE GEOTEXTILE MATERIAL IS BEING PLACED AWAY FROM THE STONES & GROUND.

THE OTHER IT PERSONNEL WORKING ON THE REMOTION OF THE ELECTRICAL PANEL (TWO ELECTRICAL BOXES) THAT WAS INSTALLED ON SITE TO SUPPLY ELECTRICITY TO THE COMMAND POST TRAILER. THE ELECTRICAL POLE LOCATED AROUND FIFTY METERS FROM THE PANEL HAS NOT BEEN REMOVED.

1000 – TAT LEBRON TAKES PHOTOS OF THE SITE AREA AND REMOVAL ACTIVITIES.

1045 – TAT CALLS TO TAT'S OFFICES IN EDISON, NJ (908) 225-6116, HE TALKED TO JOE PRICE (TAT). LET HIM KNOW STATUS OF THE SITE.

1145 – TAT LEBRÓN OFF SITE.

1315 – DONALD GRAHAM, EPA OSC ON SITE.

1500 – IT CREW CONTINUE WORKING ON CLEANUP ACTIVITIES.

1725 – WORKPLAN FOR TODAY IS COMPLETED. EVERYBODY OFF SITE.

MARCH 3rd, 1995, FRIDAY

0700 – IT CREW START REMOVAL WORKS.

IT PERSONNEL ON SITE.

- KURL BEST
- FLOYD PAUL
- ALEX CASH
- FRANK DEKLEVER

IT PERSONNEL CONTINUE REMOVING THE STONES FROM SUPPORT AREA.

0710 - FIRST TRUCK TO BE LOADED WITH STONES ARRIVES AT THE SITE.

ACCORDING TO K. BEST, IT SUPERVISOR ALL REMOVED MATERIAL (ONLY STONES) WILL BE TRANSPORTED TO PPG SITE LOCATED AROUND EIGHT MILES FROM WALTON'S FARM.

1000 - TAT LEBRON ON SITE. LEBRON MET WITH K. BEST AND HE GAVE LUIS STATUS OF REMOVAL ACTIVITIES SO FAR ON SITE.

1040 - TWO MORE TRUCKS ARE LOADED WITH STONES. SO FAR, FOUR TRIPS HAVE BEEN DONE. IT PERSONNEL EXPECT COMPLETE 10 TO 12 TRIPS DURING THE DAY.

1115 - TWO MORE TRUCKS ON SITE.

1140 - LOADED TRUCKS LEFT THE SITE.

DURING THE REST OF THE AFTER-NOON MANY TRUCKS WERE LOADED WITH STONES UNTIL COMPLETE TWENTY TRIPS.

1630 - LEBRON OFF SITE.

1730 - IT PERSONNEL OFF SITE.

THE WETHER FOR TODAY MARCH 3, 1995
SUNNY DAY / 45° / NO WINDS.

Lebron

MARCH 6, 1995, MONDAY

0700- IT PERSONNEL ON SITE
- KURL BEST (SUPERVISOR)
- FLOYD PAUL
- ALEX KASH
- FRANK DEKLEVER

1130- TAT LEBRON ON SITE.

WETHER: CLOUDY DAY / 40° / HIGH HUMIDITY / LOW WINDS /

LEBRON MEET WITH K. BEST (IT) AND DISCUSS BRIEFLY WORKPLAN FOR TODAY AND COMPLETED WORKS DURING THE FIRST WEEK.

KURL BEST INFORMS TO LEBRON THAT THE BELT OF THE SCREENER BROKE DOWN CLOSE TO 0840 HRS. THIS MORNING. IT EXPECT FIX THE MACHINE BY TOMORROW. THEY EXPECT THAT THE NEW BELT ARRIVES TOMORROW MORNING AROUND 1030 HRS

DUE THIS PROBLEM, TODAY'S ACTIVITIES WILL BE LIMITED JUST ONLY TRUCK LOADING.

1215- TAT LEBRON OFF SITE

(BEFORE TAT LEAVE THE SITE, HE TOOK SOME PHOTOS OF THE BROKEN BELT AND OTHERS LOADING ACTIVITIES)

1310 - LEBRON BACK TO SITE.

IT CREW CONTINUE WORKING ON LOADING DUMP TRAILERS.

1500 - IT PERSONNEL CONTINUE LOADING THE DUMP TRAILERS WITH THE STONES REMOVED FROM THE SUPPORT AREA. IT HAS RENTED FOUR TRAILERS TO TRANSPORT THE STONES OUT OF SITE.

IT CREW HAVE BEGAN TO REMOVE THE STONES FROM THE ACCESS ROAD.

1800 - IT FINISH WORKS FOR TODAY

1830 - EVERYBODY OUT OF SITE.

MARCH 7, 1995, TUESDAY

0700 - IT ON SITE.

PERSONNEL FROM IT ON SITE.

- KURT BEST
- FLOYD PAUL
- ALEX CASH
- FRANK DEKLEVER

1030 - TAT LEBRON ON SITE.

WETHER: CLOUDY DAY / 50° / NO WINDS

1050 - LEBRON MEET WITH DAVE MORROW, IT OPERATIONS SUPERVISOR AND DISCUSS THE STATUS OF THE SCREENER.

MORROW INFORMS LEBRON, COULD BE CHANGE ON WORK SCHEDULE, A COUPLE OF DAY FROM NEXT WEEK WILL BE USED TO CATCH UP THE WASTING TIME DUE TO SCREENER BREAKDOWN.

1145 - KURT BEST, IT SUPERVISOR ON SITE WITH THE NEW BELT TO FIX THE SCREENER.

1155 - IT CREW BEGIN TO INSTALL THE NEW BELT IN THE SCREENER MACHINE.

1330 - IT PERSONNEL CONTINUE WORKING ON SCREENER BELT REPAIR. THERE IS NO OTHER ACTIVITIES ON SITE SO FAR.

1415 - SCREENER FINALLY FIXED. IT CONTINUE WITH REMOVAL AND CLEANUP ACTIVITIES.

IP IT PERSONNEL INDICATE TAT LEBRON THAT YESTERDAY, MONDAY MARCH 6, FORTY DUMP TRAILERS WERE LOADED WITH STONES AND TRANSPORTED OUT OF SITE.

1430 - DON GRAHAM, EPA/OSC ON SITE.

1440 - GRAHAM, AND LEBRÓN MEET WITH DAVE MORROW, OPERATIONS SUPERVISOR FROM IT. GRAHAM, MORROW AND LEBRON PERFORM WALK SITE THROUGH AT TIME THEY DISCUSS THE WORKPLAN FOR THE NEXT DAYS.

1545 - DONALD GRAHAM OFF SITE.

1630 - LEBRÓN OFF SITE.

1830 - IT PERSONNEL OFF SITE.

Lebrón

MARCH 8, 1995, WEDNESDAY

0700 - IT CREW ON SITE.

PERSONNEL FROM IT ON SITE

- KURT BEST
- FLOYD PAUL
- ALEX CASH
- FRANK DEKLEVER

0900 - TAT LEBRON ON SITE.

WETHER: SUNNY DAY / 55° / WINDS 10-15mph

IT CONTINUE WORKING ON REMOVAL WORKS. TWO PEOPLE IN CHARGE OF THE SCREENER MACHINE AND THE OTHER ONE REMOVING THE STONES AND GROUND FROM THE ACCESS ROAD. (TAT LEBRON PROCEEDS TO TAKE PHOTOS OF THE SITE AND OTHERS AREAS WHERE THE WORK HAS BEEN DONE).

1010 - IT PERSONNEL ON BREAK.

1025 - DUMP TRAILER TO BE LOADED ON SITE.

1030 - SECOND TRAILER ARRIVES AT THE SITE.

1035 - FIRST TRUKK (LOADED) LEFT THE SITE.

1040 - SECOND LOADED TRUKK OFF SITE.

1130 - START RAINING, TURN CLOUDY.

1300 - IT CONTINUE REMOVAL ACTIVITIES. TODAY THEY ARE USING JUST ONLY TWO DUMP TRAILERS.

1800 - IT FINISH WORKPLAN FOR TODAY, AROUND 25 TRUCKS WERE LOADED (TRIPS) WITH STONES AND TRANSPORTED THEM OFF SITE.

1830 - EVERYBODY OFF SITE

MARCH 9, 1995, THURSDAY

0700 - IT PERSONNEL ON SITE.

- KURT BEST
- FLOYD PAUL
- ALEX CASH
- FRANK DEKLEVER

IT CONTINUE WORKING ON ~~REMOTION~~ REMOVAL AND CLEANUP OF THE ACCESS ROAD, THEY ARE REMOVING THE GROUND, STONES AND GEOTEXTILE MATERIAL FROM THE AREA. AT THIS TIME THE STONES AND THE GEOTEXTILE MATERIAL FROM SUPPORT AREA HAVE BEEN REMOVED.

1230 - TAT LEBRON ON SITE.

WETHER: CLEAR SKIES / 30°F / WINDY

IT PERSONNEL INFORM LEBRON FOR TODAY THEY HAVE JUST ONLY ONE DUMP TRAILER RENTED TO TRANSPORT THE STONES OUT OF SITE.

1310 - TAT LEBRON PROCEEDS TO TAKE PHOTOS OF THE ACCESS ROAD, SUPPORT AREA AND THE GEOTEXTILE MATERIAL REMOVED FROM THE STONES.

1330 - Dr. Camishion, the property owner on site.

Kurt Best, Lebron and Dr. Camishion perform site walk through the all areas. Best and Lebron show to the Dr. Camishion, the erosion areas that were filled.

Dr. Camishion, Lebron & Best discuss the further plans concerning removal and cleanup activities.

~~Dr~~ 1430 - Dr. Camishion off site.

1450 - TAT Lebron call EPA to talk to Don Graham but his line was busy.

1530 - TAT Lebron try to call D. Graham office but the line was busy again.

1615 - Finally, Lebron can leave message to D. Graham reference the visit of Dr. Camishion to the site., Dr. wants meet with D. Graham to discuss issues concerning last steps in this final phase of the site.

1700 - TAT Lebron off site

Lebron

MARCH 10, 1995, FRIDAY

0700 - IT PERSONNEL ON SITE.
- KURT BEST
- FLOYD PAUL
- ALEX CASH
- FRANK DEKLEVER

IT CREW CONTINUE REMOVAL AND CLEANUP ACTIVITIES IN THE ACCESS ROAD AREA OF THE SITE, ALMOST ALL THE GROUND AND STONES HAVE BEEN REMOVED. UP TO DATE APPROXIMATELY 90% OF THE WORKPLAN HAS BEEN COMPLETED.

1100 - IT PERSONNEL KEEP WORKING ON THE ACCESS AREA. THEY HAVE RELOCATED ALL THE MACHINERY TO THAT AREA (SCREENER AND THE OTHER MACHINES USED TO REMOVE THE GROUND + STONES).

1500 - TAT LEBRON ON SITE.

WETHER: SUNNY DAY / 45° / WINDY

1530 - LEBRON MEET WITH KURT BEST, IT SUPERVISOR AND HE INFORMS, THEY (IT) EXPECT FINISH THE WORKPLAN BY NEXT WEDNESDAY, MARCH 15/95.

1540 - TAT LEBRON PROCEEDS TAKE PHOTOS OF THE SITE, INCLUDING THE AREA NEXT TO RANCOCAS CREEK (NORTH SIDE). IN THIS PARTICULAR AREA (SHORE) THE GEOTEXTILE MATERIAL AND STONES HAVEN'T BEEN REMOVED.

THE ELECTRICAL POLE THAT WAS INSTALLED TO SUPPLY ELECTRICITY WAS PULLED OUT.

1630 - LEBRON LEFT THE SITE TO THE OFFICES.

INTERNATIONAL TECHNOLOGY CORPORATION

**Dave Morrow**
Operations Supervisor

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Frank Bruzzese
Joe Beitz

23 24 25 26 27 2

JS 01 – pile @ NE corner of Quadrant F
1650 hours 5/18

JS 02 – in berm along west fence adjacent to Eastern perimeter
# 3

JS 03 – in undisturbed triangle ~~area~~ of D4
20' west of SW corner of F and 10' N

JS04 – 25' west of center of D4 on bank of excavation
1735

Roadout Roadway – composite 5 points around and including 15' radius 15' south of center of B4
8 ft due east
1805 hrs

908-321-4345
Don Graham: 609-794-1219 or 1202 (site)
908-240-6119 (Home) 908-883-1104 (Beeper)
Eric Wilson: 609-694-1894

site (609) 461-0639.