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REPORT ON IMPLEMENTATION OF FINAL REMEDIAL ACTIONS AT THE WADE SITE IN CHESTER, PENNSYLVANIA

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SECTION 1

INTRODUCTION

1.1 Purpose

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The purpose of this report is to describe and document WESTON's activities in monitoring the performance of the Contractor selected for implementation of remedial actions specified for the Wade site in the Superfund Record of Decision issued by the U.S. EPA on August 30, 1984 (see Appendix A). The prime contractor selected by the DER for this project was Rollins Environmental Services (FS), Inc. (hereinafter RES), of Chadds Ford, Pennsylvania. RES' activities, conducted pursuant to Contract ME-66311 dated December 22, 1986 (see Appendix B), took place between January 8 and July 9, 1987. The selection of the Contractor is described in a previous WESTON report to the DER entitled, "Evaluation of Propesals for Cleanup of the Wade Property", January 1987. In addition, WESTON's previous activities relative to the Wade site are described in the following reports:

- "Hazardous Waste Site Cleanup: Wade Property in Chester, Pennsylvania, Volume 1: Project Organization and Procurement of Contractors", January 1982.
- "Hazardous Waste Site Cleanup: Wade Property in Chester, Pennsylvania, Volume 2: Implementation of Initial Cleanup", August 1982.
- "Results of Soil Analysis and Cost Estimates for Selected Remedial Activities Regarding the Wade Hazardous Waste Site in Chester, Pennsylvania", Draft Report, November 1983.
- "Site Characterization Activities on the Wade Property, Chester, Pennsylvania", Draft Report, November 1983.

The DER's contract with RES and the Request for Qualifications and Proposals (RFQ/P) issued by the DER in July 1986, called for a seven-phased approach. The work associated with each phase is summarized below:

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- Phase 1 mobilization;
- Phase 2 removal and disposal of seven empty tankers, one stationary tank, and several surface piles of non-hazardous scrap metal and wood;
- Phase 3 removal and disposal of surface piles of crushed drums, tires, shredded rubber, and contaminated soil.
- Phase 4 excavation, removal, and disposal of contaminated soil beneath the surface of the site;
- Phase 5 demolition of all site structures (including buildings, storage silos, machinery, etc.) and placement of backfill to achieve rough grade elevations;
- Phase 6 final grading including placement of select fill and topsoil followed by seeding; and

Phase 7 - demobilization and project closeout.

In addition to the scope of work described above, RES performed certain activities that arose from unforeseen conditions at the site. These unforeseen conditions resulted in submittal of a series of change order requests by the Contractor (detailed in Section 3). In every instance, the conditions that lead to the change order requests were evaluated and verified by WESTON. Additionally, the change order requests were reviewed by WESTON and recommendations were made to the DER in regard to their acceptability.

Based upon field conditions, WESTON approved (and in some instances initiated) certain revisions to the specifications contained in the RFQ/P. These changes, which are detailed in Section 4, were performed by RES at no additional cost to the DER.

In performing the scope of work described in the RFQ/P, RES was compensated on a lump-sum-by-phase basis for a total fixed price of \$2,966,287. Additionally RES was compensated on a time and materials (T&M) basis, totalling \$_______ for work performed under change orders

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Work was begun by RES on January 8, 1987. WESTON's presence on-site was initiated on January 9, 1987 and remained essentially full-time through June 25, 1987. During the course of the remedial actions, WESTON's activities included:

- maintaining detailed written, photographic, and videotape records of site work;
- reviewing the qualifications and approving the use of transporters, disposal facilities and laboratories not included in RES' proposal;
- assisting in project coordination with local authorities;
- reviewing and approving the Contractor's requests for (and in some instances initiating) field modifications necessitated by unforeseen circumstances;
- monitoring implementation of the Contractors' health and safety plan;
- reviewing and evaluating change order requests;
- reviewing the Contractor's invoices for payment; and
- monitoring the overall performance of the Contractor.

The remedial actions implemented at the Wade site were completed in substantial conformance with the specifications in the RFQ/P and the ROD, except for certain changes due to unforeseen site conditions. These changes are described in Sections 3 and 4.

1.2 Site History and Initial Status

The Wade site, located at the intersection of Flower Street and Delaware Avenue in Chester, Pennsylvania, is an approximately 3-acre parcel where various chemicals had been received, stored, and disposed of in the site's soils. The site is bounded on its southwestern side by the right of way

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for the Commodore Barry Bridge, on the northwest by Delaware Avenue and a railroad right of way, on the northeast by a Philadelphia Electric Company (PECO) property and on the southeast by the Delaware River.

The site previously housed the Eastern Rubber Recycling Co., a firm engaged in shredding tires, rubber, and other post-consumer articles. Photographs taken from the deck of the Commodore Barry Bridge by the DER in 1977 showed that drums of waste were emptied either directly onto the ground 1-1). These into trenches (Figure activities or contaminated much of the site. In February 1978, a severe fire occurred that resulted in the destruction of much of the drummed wastes stockpiled on-site. Due to the severity of the fire, the Commodore Barry Bridge was closed for six hours and 45 firemen were examined at a local hospital. One of the original buildings was completely destroyed during the fire and two others sustained heavy structural damage.

Following the fire, DER and EPA engaged a series of contractors to perform various remedial actions and studies at the site. A summary of these contracts, and the associated scopes of work is presented in Table 1-1.

A plan of the site conditions that existed at the initiation of the final remedial action is presented in Figure 1-2. Notable features include:

- seven structures varying in integrity from poor to moderate;
- four empty rubber storage silos and the associated air pollution controls (cyclones);
- seven empty tankers;
- a partially filled concrete sump;
- seven monitoring well installations; and
- eleven piles of soil and debris.

Important features not shown on Figure 1-2 are a pipe tunnel extending from grid 22 to grid 26 and an underground tank in grid 40. Heavy machinery associated with the rubber shredding operations was secured to the floor in two of the buildings with bolts approximately 2-inches in diameter. Electrical equipment associated with the heavy machinery was concentrated in three control panels. Two large bollers and the associated steam generating equipment were housed in the former boiler house.

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TABLE 1-1

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	CONTRACTS
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•	CHRONOLOGY

ximate te	Contracting Agency	Contractor		Scope of Work
3/80	DER	Rollins	•	Remove intact, accessible drums.
			•	Remove (to the extent possible) hazardous materials in five tarkers located near the front of the site.
			•	Overpack and secure drums of PCB Wastes.
	EPA	Rollins	•	Remove and dispose of drums of PCB wastes.
	EPA	BCM/Wehran	•	Perform site investigation after drum removal.
	DER	CECOS	•	Sort through surface debris and categorize into discrete piles.
			•	Remove/dispose of non-empty drums.
			•	Install test pits according to grid/guadiant system to enable soil sampling.
			•	Analyze soil samples.
	DER	VFL Tech- nology Corp.	•	<pre>Implement final remedial actions in accordance with the RFQ/P issued 9/14/841.</pre>

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This contract was terminated due to the Contractor's inability to finalize disposal arrangements with gualified facility while maintaining bid price.



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The site was completely fenced, however, it was apparent that unauthorized persons did occasionally gain access to the property. This was supported by the fact that 11 drums and a substantial amount of general trash were discovered on-site during the pre-bid site inspection. The site was heavily vegetated with tall grasses and small bushes which somewhat restricted personnel movement in certain areas. Remnants from a number of the test pits, installed to enable soil sample collection during the site investigation were readily apparent at the inception of site work.

1.3 <u>Current Site Status</u>

The Wade site is currently a grass covered field sloping moderately from north to south. The only remaining "structures" inside the perimeter chain link fence are seven monitoring well installations and the extension of Flower Street that extends along the western fence line approximately to gridline E-1475 (see Figure 1-2). As a result of the removal of all buildings, waste piles and native brush, the site now affords an aesthetically pleasing view of the Delaware River and the Commodore Barry Bridge.

The following structures remain beneath the surface of the site:

- foundations and floor slabs from all former buildings;
- concrete sump;

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- concrete mass in the southern third of the site believed to a remnant from construction of the bridge;
- 10,000-gallon underground fuel oil tank, currently filled with sand, and the adjacent retaining walls; and
- 12-inch diameter reinforced concrete pipe in the vicinity of the concrete sump.

1.4 Quantity Summary

Table 1-2 presents a summary of all of the wastestreams generated during the remedial action at the Wade site, including quantities generated, transporters, disposal facilities and disposal methods employed. Quantities presented in Table 1-2 were developed from transportation records maintained by RES.

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TABLE 1-2

OVERALL WASTE DISPOSAL SUMMARY

Vestestreen Description	Quantity/Units	Transporter(s)	Disposal Facilities	Disposel Method
Screp wood and debris		J. R. Sevoy	Petrilio Bros. Mingunchie, DE	Lenstfilling .
Screp metal, and tankers	tons	J. R. Sevoy	Cancien Iron & Hetal Inc. Cancien, NJ	Reycling
Contaminated soil, rubben crushed chuma, rtc.	5440.51 tans	Dert Trucking Co. Jack Grey Trans- port	GRK Services, inc. Pinmood, SC	Landfilling
listentors from events sources incluting vehicle decotamination, decor- terinated tank cleaning, excevetion deatering, etc.	30,804 gellans	Chem-Clear, Inc.	Chen-Clean, Inc. Chester, PA	Biological Transmit
Senitary vestmeter	gellons	Not applicable	DELCORA Chester, PA	Biological Treatment
Advector wante	points	7	7	Incidentia
Nor-hezardous soil & debris	tons	J. R. Savoy	Petrillo Bros, • Minquedale, DE	Landfilling
Petroleum-ladan soll	72,61 tons	J. R. Sevoy	Grand Central Senitation	Landfilling
Transformer dielectric	35 gallons	RES(FS), Inc.	NES(NJ), inc. Bridgeport, NJ	Incinentian .
Electrical capacitors	852 points	1	Metional Electric, inc. Coffeyville, KS	Inclanation
Compressed gas cylinders	4 cylinders	7	Cylinder Necco Keerney, NJ	7
Drum	j pounde			Incidential
Slucipe from Underground Storage Tarik	20.64 tons		Thermal Ken Columbie, SC	?

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SECTION 2

DESCRIPTION OF LUMP SUM WORK

2.1 Phased Approach

The remedial action at the Wade Site was divided into seven distinct phases of work, described fully in the Request for Qualifications and Proposals (hereinafter the RFQ/P). A summary of the work and activities associated with each phase of the Project is presented in this section.

2.1.1 Phase 1 - Mobilization

Specifications for Phase 1 governed mobilization of the personnel, equipment, and facilities necessary for executing the work in the subsequent six phases. Activities under Phase 1 included establishing field offices, sheds, security services and staging/storage areas. Also as part of the mobilization activities, the Contractor was required to implement erosion control measures and to perform baseline perimeter air monitoring. An initial topographic survey of the entire site and identification of the 50 foot by 50 foot grid nodes were also planned as Phase 1 activities.

2.1.2 Phase 2 - Non-hazardous Debris Disposal

Phase 2 activities involved removal and disposal of non-contaminated surface debris including seven empty tankers, one empty tank, one pile of scrap wood, and two piles of scrap metal. The specifications for this work addressed cutting, loading, transportation, and disposal requirements. Provisions described in the RFQ/P for managing liquids found in the tankers and/or tank involved removal by draining to a holding tank and sampling/analysis prior to off-site disposal. Requirements for on-going activities including perimeter air monitoring, erosion and dust controls, and safety/emergency response applied to Phase 2 work.

2.1.3 Phase 3 - Disposal of Hazardous Waste in Surface Piles

The specifications for Phase 3 governed the removal and disposal of contaminated surface debris. Materials slated for removal and disposal under Phase 3 included one pile of crushed drums, two piles of soil and five piles of tires and/or shredded rubber. Requirements for closure of an

underground tank believed to contain an unknown volume of an oil/water emulsion involved sampling, analyzing, removal, and disposal of the contents, followed by pressure washing and backfilling with clean sand. Removal and disposal of one drum of unknown contents as well as eleven drums discovered on-site during the pre-bid site inspection were also specified as Phase 3 activities. Requirements for on-going activities, such as erosion and dust control, perimeter air monitoring, and safety/emergency response, were described in the specifications of Phase 3 work.

2.1.4 Phase 4 - Excavation and Disposal of Hazardous Waste Soils

Phase 4 involved the excavation, staging, and disposal of soil from certain pre-designated grids in accordance with the Soil Removal Plan, Drawing 102. The site was divided into 50 foot by 50 foot grids with each grid subsequently divided into four quadrants. The maximum depth of excavation for any given grid or quadrant was five feet. Excavations adjacent to existing fences and structures were required to include a one foot wide "buffer strip" to prevent damage due to undermining. The Contractor was required to excavate no more than three grids at any one time in order to minimize dusting and accumulation of contaminated surface water. Specifications for temporary stockpiling included provisions for covering the stockpiles with tarps or plastic sheeting.

One of the activities planned for Phase 4 was sealing an existing water service at the property boundary. The size and location of the service were unknown. Sealing the service was to be in accordance with requirements of the Chester Water Authority. Specifications for on-going activities applicable to Phase 4 work included requirements for dust, erosion and run-on/run-off controls, perimeter air monitoring, and safety/emergency response. Additionally, a topographic survey and update of the cross-sections were required at the completion of Phase 4.

2.1.5 Phase 5 - Demolition and Rough Grading

Phase 5 involved two distinct work activities:

- building and structure demolition; and
- backfilling and rough grading.

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With respect to the first activity, the Contractor was required to remove all buildings and structures in accordance with the Building and Structures Demolition Plan submitted as part of its proposal. Requirements for the demolition work included surface preparation (removal of debris), removal of wood and metal, removal of structural members, and toppling of masonry walls. Rubble generated during the demolition work could be backfilled on-site provided the dimensions of the pieces were less than 12 inches. Concrete floors and pads were required to be drilled prior to covering with backfill.

The second component of Phase 5 required the Contractor to place backfill and achieve rough grade elevations over the surface of the site. Backfill materials were to include rubble (as described above) and clean fill using an SM classification soil (silty-sands, sandy-silts). Subsurface structures and voids including the underground tank, a pipe tunnel in Grids 22 through 26, and the basement of the former office building were to be backfilled using clean sand. Requirements for backfilling included placement in 6-inch loose lifts followed by compaction to achieve a minimum uniform density of 90 percent of the maximum density determined using ASTM Method D-698. The Contractor was also required to perform compaction testing for each lift. A topographic survey followed by preparation of a topographic map and updating of the cross-sections was required at the completion of rough grading.

2.1.6 Phase 6 - Final Grading

Phase 6 involved final grading of the site, including placement of topsoil and seeding, followed by placement of site management controls. Soil with an ML classification (silts, silty clays, clayey silts, gravelly clays) was required to be placed and compacted into an 18-inch thick layer overlying the rough grade. A 6-inch, uncompacted layer of topsoil was required overlying the ML soil layer. Specification for seed mixes, seed bed preparation, planting, watering, and repair/maintenance were provided.

2.1.7 Phase 7 - Demobilization

Phase 7 involved demobilization and Project closeout. Work associated with this phase was essentially the inverse of Phase 1, i.e., removal (rather than establishment) of facilities and utilities. Provisions for final reporting by the Contractor ware required.

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2.2 Schedule

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2.2.1 Proposed Schedule

The RFQ/P specified that the work was to be executed in a sequential manner and that work on a given phase was not to be initiated until work on the previous phase had been completed. Additionally, the RFQ/P specified that the period of performance was not to exceed 120 calendar days. Bidders were required to submit a schedule as part of their proposals. The schedule contained in RES' proposal met the requirements of the RFQ/P in that a period of performance of 82 days was specified.

After completion of contract negotiations, WESTON learned that the period of performance for the contract had been extended to seven months after receipt of the Notice to Proceed. Inquiries to the DER indicated that the period of performance had been extended to account. for possible weather delays anticipated for the winter months.

At the initial Project meeting at the site, it was learned that RES had extended its original schedule to encompass approximately six of the seven months in the period of performance. WESTON requested that RES submit a revised, detailed schedule for review by both the DER and WESTON. This request was made in writing on January 16, 1986 (Appendix C). RES' revised schedule is illustrated in Figure 2-1. During the course of the Phase 1 activities, it became apparent that overlapping would occur between the various phases of the work. Certain aspects of Phase 1, including construction of truck scales, repairs to the perimeter fence, and placement of sediment barriers at the site perimeter would lag into the period when Phase 2 activities were scheduled. A letter to the Site Supervisor, dated January 19, 1987 (Appendix C) identified the fact that Phases 1 and 2 were overlapping and that this was not in conformance with the requirements of the RFQ/P.

RES advised the DER and WESTON that it had been told during contract negotiations with the DER that any reasonable schedule was acceptable. It was RES' interpretation that some overlapping of phases was both reasonable and necessary. Following WESTON and DER review of the schedule, the work was allowed to proceed with some overlapping of phases.

The substantial overlap planned for Phases 4 and 5 gave rise to some health and safety concerns with respect to conducting several tasks posing differing degrees of hazard in the same or adjacent areas. RES submitted a formal

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FIGURE 2-1 PROJECT SCHEDULE

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request on January 31, 1987 for "progressive sequencing" of the Phase 5 demolition work. According to this request, demolition activities would occur in Phases 2 through 5, inclusive. Review and approval of this request is described in Section 4.6.1.

2.2.2 Actual Progress

The actual progress of the work is illustrated in Figure 2-2. It should be noted that less than one week of downtime was experienced due to weather delays. This was despite the fact that the site received two very heavy snowfalls during the month of January 1987.

Some schedule difficulties were experienced due to the protracted negotiations regarding the requests for Change Order Nos. 1 and 2 (see Section 3). Specifically, the soil stockpile, resulting partly from the sorting of the Grid 41 pile during Phase 3, was not transported off-site until late May 1967. This did not pose a substantial problem, as other phases were allowed to proceed essentially uninterrupted. However, the delay in disposal of the Grid 41 pile did pose some logistical problems regarding excavation of those soils underlying the pile.

A delay in the disposal of a pile of petroleum contaminated soil, originating from Grids 1, 17, 33, and 49, was attributed to difficulties in identifying an in-State disposal facility permitted (and willing) to accept this waste. Demobilization was completed while this waste was stockpiled on-site. Transportation and disposal necessitated remobilizing the Contractor's personnel and heavy equipment on July 9, 1987.

2.3 Contractor Performance

2.3.1 Phase 1 - Mobilization

RES initiated mobilization on January 8, 1987 with the delivery of two office trailers, a guard house, a personnel locker trailer, and an equipment trailer. The office trailers were blocked up and levelled for use during the pre-construction meeting held on-site on January 9, 1987. Installation of the required utilities, including electric, telephone, water, and sewer services, was completed in accordance with the requirements of the RFQ/Pr--Due to the impending winter weather, all water lines were traced with heat tape and insulated to prevent freezing.

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unal tenteril FIGURE 2-2. ACTUAL PROGRESS (to be provided) ્રેક્ટ i **||**|_;)

A great deal of other mobilization activities occurred within the first two weeks of site work, including:

- provision of 24-hour guard service and initiation of site access control;
- assembly of water storage tanks inside the former office building;
- construction of vehicle and personnel decontamination facilities (a temporary wooden vehicle decontamination pad was built pending assembly of the welded steel containment pad);
- excavation and installation of the footers and ramps for the on-site truck scale;
- installation of silt fence for erosion control during site work (frequent maintenance was necessary due to strong winds and inadequate installation of the silt fence); and
- collection of background perimeter air samples.

Some of these activities are illustrated in Figures 2-3 through 2-5.

RES subcontracted with H. Gilroy Damon Associates, Inc. of Sharon Hill, Pennsylvania to perform the initial topographic survey of the site. Due to the surface area occupied by the 11 debris piles throughout the site, RES submitted a request to the Site Representative to postpone the initial topographic survey until after the surface debris had been removed. The Site Representative approved the request, but advised RES that payment for Phase 1 would not be authorized until the initial topographic survey had been completed. RES proceeded with the initial topographic survey as specified in the RFQ/P.

Due to the somewhat limited working space available within the site, RES removed certain minor structures during Phase 1. One such structure was the main electrical substation located adjacent to Flower Street near the former grinding building. During removal of this structure, RES removed and staged one transformer and seven large capacitors. This electrical equipment was staged on the paved portion of Flower Street south of monitor wells B-4 and B-4A. Removal and disposal of the transformer and its dielectric fluid was accomplished during Phase 4 activities (section 2.3.4). Disposal of the capacitors is discussed in Section 3.

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Two important meetings were held during the Phase 1 mobilization activities. The pre-construction conference required by the RFQ/P was held on-site on January 9, 1987. Representatives of RES, DER and WESTON attended the meeting during which the project schedule, RES' anticipated need to conduct hot work, and the City's requirements during demolition were discussed. The second meeting was held at the Chester Municipal Building to discuss the planned work with the local authorities. Local truck routes, closure of the water main, and the City's requirements for vector (rat). control during demolition were discussed. As required by the RFQ/P, RES prepared minutes of both meetings.

2.3.2 Phase 2 - Non-hazardous Debris Disposal

RES initiated Phase 2 activities with the removal of accumulated stormwater from the seven tankers on-site. The water was transferred to one of two 5,000 gallon temporary tanks located on the first floor of the former office building (Figure 2-6). After the stormwater had been removed, the tankers were either loaded onto flatbed trailers or connected directly to a tractor for off-site transport.

RES advised the Site Representative that it intended to use torches to cut the tankers prior to transporting them to a scrap yard. As on-site hot work was prohibited by the specifications in the RFQ/P, RES elected to transport the tankers to a nearby yard where hot work could be performed. After cutting of the first tanker had been initiated, RES found that small amounts of residual solids were present in some of the tankers. The tankers which had been removed from the site were returned to the Wade Property for removal of the residual solids (see Section 3 for a description of this work). After final decontamination, the tankers were crushed and loaded onto demolition trailers for transport to a scrap yard in Camden, New Jersey.

RES also removed three piles of non-hazardous debris as part of its Phase 2 work. Two piles of scrap metal were loaded onto a demolition trailer for transport to a scrap yard, whereas scrap wood was transported and disposed of at the Petrillo Brothers landfill in Minguadale, Delaware.

2.3.3 <u>Phase 3 - Disposal of Hazardous Waste In Surface</u> <u>Piles</u>

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RES' Phase 3 work was initiated with the removal of two piles of contaminated soil. The soil was loaded onto dump trailers for transport to the GSX landfill in Pinewood,



South Carolina. Tare and loaded weights of the dump trailers were obtained and recorded using the on-site scale (Figure 2-7). The trailers were lined with plastic sheeting prior to loading. Prior to departing the site, the loads were tarped to prevent loss of the soil during transport and the required documents including weight records, bill of lading, and hazardous waste manifests were completed and provided to the transporter. It should be noted that RES prepared the manifests for signature by the DER.

A second component of RES' Phase 3 work was the removal and disposal of five piles of contaminated tires and/or shredded rubber. RES utilized a transportable shredder to process the tires for volume reduction. Concurrent with the shredding work, RES fabricated a process for decontaminating the shredded rubber. The process consisted of two rotating cylinders fitted with internal spray bars and liquid collec-tion sumps (Figure 2-8). The washing liquid utilized in the first rotating cylinder contacted the shredded rubber only once prior to being transferred to the water storage tanks inside the former office building. The rinse water utilized in the second cylinder was recycled and replanished as needed. Due to operational problems during shakedown of the rubber washing process, RES elected to decontaminate only a small portion of the shredded rubber. The shredded rubber was subsequently loaded into dump trailers and transported to GSX in Pinewood, South Carolina. The loading and recordpreviously described for contaminated keeping procedures soil were also employed for the shredded rubber.

The last major component of the Phase 3 work was closure of the underground tank near the former boiler house. RES initiated this work by measuring the depth of the contents of the tank and estimating the quantities of material contained in the tank. RES estimated the size of the tank was approximately 10,000 gallons. RES also learned that the tank contained a predominantly aqueous layer overlying a thick black sludge believed to be residual fuel oil for the boiler house. These findings were communicated to the DER, as they differed substantially from the assumptions stated in the RFQ/P.

RES proceeded with closure of the underground tank in accordance with the requirements of the RFQ/P. A square opening was cold cut in the top of the tank to facilitate personnel entry. The wastewater layer was removed by transfer into a vacuum trailer and was disposed at Chem-Clear in Chester, Pennsylvania. The underlying sludge was removed using a high-vacuum truck. The sludge was subsequently transferred into drums and small, lined containers and staged adjacent to the former office building (Figure 2-9). Residual solids were removed using shovels and

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buckets prior to pressure washing the internal surfaces of the tank (Figure 2-10). The wastewater resulting from the pressure washing work was removed by vacuum truck and the tank was filled with sand.

2.3.4 Phase 4 - Excavation and Disposal of Hazardous Waste Soils

RES initiated excavation of soils according to the Soil Removal Plan (Drawing 102) within the grids located near the front fenceline. The soils were stockpiled near the former office building (Figure 2-11) prior to loading, transport, and disposal according to the procedures described in Section 2.3.3 for the surface piles. Excavation of the soils along the front fenceline resulted in a noticeable aromatic odor; however, this was of very short duration and was observed only in the immediate vicinity of the site (within approximately 25 feet). Perimeter air samples on the front fence revealed that air quality in the area was well below the action limits set for the site.

Excavation in the southern portions of the site revealed the presence of a large concrete mass, encountered at depths of one to two feet. The concrete was found to be up to three feet thick and was believed to be associated with washout of concrete delivery trucks during construction of the adjacent bridge. The existence of the mass was recognized in the RFQ/P and it was determined that removal of the concrete was not practical (see Section 4.6.2).

2.3.5 Phase 5 - Demolition and Rough Grading

RES executed the demolition work during Phases 3, 4, and 5, as described in Section 4.6.1. Selected demolition activities are illustrated in Figures 2-12 through 2-14. A significant difficulty during this phase was controlling and authorizing the use of hot work to remove selected structures and equipment. Specifically, torches were used to cut the based of the rubber storage silos and grinding machinery mounts. This occassionally resulted in the ignition of rubber tires in the vicinity of the torch cutting.

The second component of the Phase 5 work was the placement of rough grade. Building rubble (structural fill) was utilized throughout much of the site as the initial backfill material. The fill was transported on-site in a tandem axel dump truck and placed using a hydraulic excavator. The structural fill was covered with select fill imported from a nearby borrow source. Geotechnical data on the select fill is provided in Appendix P. The rough grade










was compacted using a vibratory roller and the degree of compaction was measured on each lift using a nuclear density gage. Difficulties were encountered in achieving the compaction specification in several grids (see Section 4.6.6).

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2.3.6 Phase 6 - Final Grading

RES' site work was essentially completed with the placement of final backfill and long-term site management controls. The rough grade was covered with 18 inches of select fill (see Appendix P for geotechnical data) followed by a 6-inch layer of topsoil and mulch. The site was seeded by a hydroseeder.

Site management controls included improvements to the existing silt fencing and construction of two sediment barriers (one in each of the drainage swales). The sediment barriers were constructed of washed stone in accordance with the material specifications in the RFQ/P (see Figure 2-15).

2.3.7 Phase 7 - Demobilization

RES demobilized its personnel and equipment in mid-July 1987. The truck scales were disassembled and the ramps and footers were demolished and the footer excavations in Flower Street were returned to grade by patching with bituminous material. All of the utilities were disconnected and the temporary sewage holding tank was removed, crushed, and disposed off-site. The office and supply trailers were transported off-site and guard services were discontinued.

2.4 Reports

A number of reports were generated at various points and frequencies during the course of the remedial action. Several of these reports were Contractor submittals required by the specifications of the RFQ/P, whereas others were reports issued by WESTON or the DER. An overview of the various reports generated during the remedial actions at the Wade Site is provided in this section.

2.4.1 Meeting Minutes

Section 13.7.1 of the RFQ/P requires the Contractor to schedule and conduct progress meetings at a frequency of twice per month. During the initial phases of the Project,



progress meetings were conducted on a much greater frequency, sometimes as often as one per day. The frequency of these meetings generally decreased as the work moved into the backfilling phases and as the lines of communication became more defined.

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The RFQ/P required the Contractor to maintain certain records associated with the progress meetings. The formal agenda specified in the RFQ/P were not required by the Site Representative; however, written minutes were required. Copies of the progress meeting minutes are provided in Appendix T. At the suggestion of RES, it was agreed that both the Site Supervisor and the Site Representative would sign the progress meeting minutes.

2.4.2 Bi-monthly Progress Reports

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Section 13.8.3 of the RFQ/P required the Contractor to prepare and submit bi-monthly progress reports. The purposes of these reports were to:

- update the Project schedule;
- report on activities completed as the basis for payment; and the second s
- e discuss current and anticipated problems, delays, and corrective actions.

RES submitted progress reports on a semi-monthly frequency, primarily due to the accelerated pace of the site work. These reports relied primarily on the use of the phase checklists prepared by WESTON as a means of documenting activities that had been completed. Copies of RES' progress reports are provided in Appendix S.

2.4.3 Phase Completion Reports

On its own initiative, RES prepared and submitted Phase Completion Reports. These reports employed the phase checklists developed by WESTON as a means of documenting the completion of a given phase of work. Copies of the Phase Completion Reports are provided in Appendix S.

2.4.4 Phase Out Report

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Section 13.4.7 of the RFQ/P requires the Contractor to submit a Phase-Out Report at the completion of the work. The contents of the Phase Out Report were to include:

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- a certification regarding decontamination of the site;
- a description of the procedures and techniques used to decontaminate equipment, vehicles, the shower facility, and the laundry facility; and
- signature of the Site Supervisor.

A copy of RES' Phase Out Report for this Project is provided in Appendix S.

2.4.5 Oversight Reports

A key aspect of WESTON's oversight of the Contractor's performance was the preparation of daily reports. These reports, presented in Appendix D, documented:

- the work performed by RES and its subcontractors;
- personnel, equipment, and materials used;
- comments, problems, and agreements made;
- test data received; and
- visitors to the site.

2.4.6 Comptroller's Audit Report

On February 13, 1987 Mr. Jim Johnson of the Commonwealth of Pennsylvania, Department of Treasury - Comptroller's Office, visited the Wade Site to review the types of records maintained by the DER, WESTON, and RES. Mr. Johnson's site visit subsequently led to an audit of the Project. A copy of the Comptroller's Audit Report is provided in Appendix T.

(NOTE: Additional narrative to come describing corrective actions to the problems cited in the Audit Report.)

2.5 Payment

2.5.1 Phase Completion Checklists

Prior to the initiation of site work, WESTON developed a set of Phase Completion Checklists to monitor the progress of the Contractor and to serve as an aid in determining

payment. The checklists included all of the work items specified in the RFQ/P and any additional work items RES included in its proposal submitted to the DER in response to the RFQ/P. As RES submitted invoices for phases it believed were complete, the DER and the Site Representative reviewed the checklists to ensure that the work invoiced had in fact been completed.

2.5.2 Payment

Copies of all of RES' invoices and related payment documents are included in Appendix E. RES was compensated on a lump-sum-by-phase basis for a total fixed price of \$2,966,287. Additionally, RES was compensated on a time and materials basis for work performed under change orders approved by the DER for a total of \$. RES' total compensation for the work described herein was therefore \$2-1.

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PAYMENT SUMMARY

Phase	Date Invoiced	Invoice Number	Amount Invoiced	Date Payment Approved
1	2-25-87	14066	\$ 104,804.00	3-25-87
2	2-25-87	14066	119,537.00	3-25-87
3	5-12-87	14081	826,719.00	5-14-87
4	5-12-87	14078	1,300,262.00	5-14-87
5	6-19-87	14092	410,116.00	6-26-87
6	7-17-87	14097	199,572.00	(1)
7	7-17-87 .	14097	5,177.00	(1)

(1) Approval pending transmittal of project records to DER.

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SECTION 3

DESCRIPTION OF OUT-OF-SCOPE WORK

3.1 <u>Overview</u>

During the course of the remedial action, certain unforeseen site conditions were encountered, ranging from minor findings, which the contractor addressed at no cost to the DER, to significant discoveries. The significant discoveries are classified as such because they resulted in submittal of series of change order requests by RES. Each of these requests, along with WESTON's evaluation and recommendations to the DER on those requests, is described in this section.

A summary of the change order requests is provided in Table 3-1. It should be noted that the DER Cleanup Director and the WESTON Site Representative (or both) were usually appraised of the unforeseen site conditions shortly after discovery. This initial notification was communicated to the DER Contract Officer.

3.2 Change Order Nos. 1 and 2

The first change order request, designated by RES as "Change Order No. 1", was submitted via a letter from Mr. Richard Jaffe of RES to Mr. Donald Becker of the DER, dated January 29, 1987. Copies of this letter and other correspondence relating to this change order request are contained in Appendix F. The request for Change Order No. 1 described three items RES believed were out-of-scope, including:

- On January 13, 1987, RES discovered seven large capacitors in the brick electrical substation building on-site. Subsequently, on January 21, 1987, WESTON observed three other capacitors in the warehouse portion of the building. These units were suspected of containing PCB dielectric fluid.
- On January 20, 1987, RES determined that the pile in grids 25, 26, 40, and 41, as shown in Figure 1-2, (collectively referred to as the Grid 41 pile), identified in the RFQ/P as a scrap metal pile, contained debris in addition to the scrap metal. The pile consisted of a scrap metal layer overlying a pile of soil,

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TABLE 3-1

SUMMARY OF CHANGE ORDER REQUESTS

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Change Order Malber	jtan Nulber	Description of Work	Anisturynmurt Angunathd	DER/NES Hapotisted Bettlement (1) (2)
1	1	Nerove and Dispose of PCB Capacitors	\$ 6,012.04	\$ 4,372.39
	2	Sort and Dispose of Mate- riais in Grid 41	168,950.18	Pending Disposal . Costs (3)
	3	Renove Residual Solida from Tankara	17,395.49	11,467.91
		CHINGE ORDER NO. 1 SUBTOTINUS	\$192,535.71	\$(15,640.30)
2	1	Test Electrical Panels for PCB	407 X	547 24
	2	Sample Transformer Di- electric for PCB	<i></i>	
	3	Dispose of Corpressed Gas Cylinders	No Cost Proposal Submitted to Dete	No Hegotistions to Dete
		Change order No. 2 Suitotals	\$ 567,25	\$ 567.26
3	t	Clonume of 10,000 Gallon Underground Tank	\$ 29,524.71	No Negotiations to Dete
4	1	Removel and Disposel of 195 CY of hydrocarbon Contaminated Soil	No Cost Proposei Submitted to Dete	No Negotietions to Dete
		TUTALS	\$221,430.66	8 16,407.54 (4)

(1) Costs representing reportieted settlements are based on rates submitted by RES in its charge order requests, DER and RES are reportieting labor and equipment rates which will be used to revise the regotiated settlements presented.

(2) MESTOR presented initial recommendations to the DER reparding each charge order item and these recommendations were used by the DER as its basis for negotiating with RES. In certain instances, MESTOR's cost recommendations were revised upward following receipt and verification of additions. Information from RES.

(3) First regotistions subject to identification of an appropriate disposal facility.

(4) Total costs subject to revision based upon on-going negotistions,

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timbers, concrete block, tires and other debris. These other materials were not discovered prior to RES' work because they were obscured by the overlying scrap metal. The reason why these other materials were present in the scrap metal pile is not known.

o On January 22, 1987, RES inspected the seven tankers, identified in the RFQ/P as empty, and determined that three of the tankers contained small amounts of residual solids. The total quantity was estimated at less than two cubic yards.

Mr. Jaffe's letter of January 29, 1987, also included a request for Change Order No. 2, including the following three items:

- sampling and analysis of the electrical panels in Grids 26 and 9 to determine whether PCBs were present in the oily residues around the panels.
- sampling and analysis of the dielectric fluid in a transformer housed in the electrical substation that once served the facility.
- removal and disposal of several compressed gas cylinders found on-site.

It should be noted that the Site Representative inspected the seven capacitors discovered by RES and found that one of the insulator posts on one of the units was slightly damaged and had leaked some dielectric fluid onto the capacitor casing. Additionally, two of the capacitors found in the warehouse building were examined by the Site Representative and were found to be damaged and leaking. In light of these observations, RES was directed to place the capacitors in DOT approved drums containing a granular absorbent and to label the drums with a PCB marking (see letter dated January 21, 1987 from WESTON's Site Representative to the DER Cleanup Director, Appendix C). These actions were deemed necessary to ensure compliance with TSCA regulations (40 CFR 761).

RES decided to initiate means of addressing each of the items covered in the request for Change Order No. 1 at its own risk, i.e. prior to execution of a contract amendment for these items. This decision was made primarily with the intent of averting a substantial delay in the progress of

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the work. RES' decision to proceed "at risk" was communicated to the WESTON Site Representative, who, in turn, informed the DER Cleanup Director and Contract Officer of RES' "at risk" approach. The DER decided that in the interests of completing the project on schedule, the "at risk" approach was acceptable. Furthermore, it was decided that WESTON would monitor RES' activities relating to the three items described above, as though this work was being conducted on a time and materials basis.

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The at risk work performed by RES on the PCB capacitors involved packing the units in drums as described previously. The drums were staged on-site during most of the remedial action pending identification of a qualified disposal facility. The capacitors were transported to National Electric in Coffeyville, Kansas for incineration.

The at risk work performed by RES on the Grid 41 pile included sorting through the material rejected by the scrap yard (and returned to the site) as well as that remaining in Grid 41. Use of an industrial electromagnet was attempted for removing ferrous metal, but this was quickly found to be ineffective. A hydraulic excavator was successfully used to sort through the pile. Scrap metals were loaded onto demolition trailers for transport to Camden Scrap Iron and scrap wood and soil were transported to the Petrillo Brothers landfill in Minguadale, Delaware.

Removal of the tanker solids was a relatively difficult task as reciprocating saws were used to cut through the steel sidewall of the tankers (Figure 3-1). The residual solids were initially removed using hand tools; however, when this was found to be prohibitively slow, heavy equipment was used to bang the tankers on the ground. The residual solids were collected and placed in a stockpile of contaminated soil using a front-end loader. An estimated one to two cubic yards of residual solids were accumulated in this manner. The tanker shells were crushed and loaded onto demolition trailers for disposal as scrap metal (Figure 3-2).

As directed by the DER Contract Officer, WESTON reviewed Mr. Jaffe's letter of January 29, 1987 and determined that the technical approaches outlined in that letter were not sufficiently detailed for a thorough evaluation of the requests for Change Order Nos. 1 and 2. A request for supplemental information was made by means of a letter dated February 9, 1987 from WESTON's Site Representative to RES' Site Supervisor. RES responded to this request for supplemental information in a memorandum dated February 11, 1987





from Mr. Klotzback to Mr. Claypool. Copies of this and all subsequent corresponding relating to Change Orders are presented in Appendix F.

Subsequently, RES provided the DER with a cost estimate for completing the work associated with the change order requests. The estimate included costs associated with work performed by RES at its own risk and for work remaining to be done. The cost estimate, presented in a spreadsheet format, was transmitted to the DER in a letter dated February 27, 1987 to the DER Contract Officer, from RES Contract Administrator. The cost estimates for the three items contained in the first Change Order request are summarized below:

	Item 1	<u>_`</u> #	PCB Capacitors		\$ 6,013.14
•	Item 2	: -	Grid 41 Pile		113,448.18
	Item 3) -	Tanker Solids	Removal	17.395.49
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TOTAL

\$136,856.81

The combined cost estimated for sampling and analysis in Items 1 and 2 of Change Order No. 2 was \$567.24. No cost estimate was submitted for Change Order No. 2, Item 3.

WESTON performed a detailed review of the technical information and cost estimates provided by RES for Change Order Nos. 1 and 2. RES' estimates for labor hours, equipment usage, and materials expended on work completed "at risk" were checked on a line-by-line basis against WESTON's written, photographic, and videotape logs. Costs associated with work remaining to be done were checked for reasonableness.

WESTON also evaluated RES' daily rates for equipment and safety supplies. This included consultation of the Construction Blue Book for heavy equipment rates and a comparison of RES' rate for Level C safety equipment with WESTON's rates for similar equipment. As directed by the DER, RES' labor rates for the personnel assigned to the site were not included in WESTON's evaluation of the change order request cost estimate. Additionally, at the request of RES, WESTON was not informed of the labor rate cost buildup information submitted to the DER. Labor rates and cost buildups were evaluated by the Comptroller's office.

RES' cost estimate spreadsheet was modified to reflect differences between RES' and WESTON's records. WESTON's comments and cost comparison were telecopied to the DER on March 3, 1987 and formally transmitted on March 10, 1987.

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On March 5, 1987 RES and DER met at the site to discuss WESTON's comments. Tentative resolutions were reached on all but one issue: transportation costs for the tankers. It was agreed that WESTON and RES would independently research their records to justify their positions on this issue. WESTON's findings were transmitted to the DER via a letter from the Site Representative to the Contract Officer dated March 16, 1987.

The DER Contract Officer subsequently asked WESTON for its recommendations concerning the request for Change Order Nos. 1 and 2. WESTON provided its recommendations to the DER in a letter dated March 27, 1987 from WESTON's Project Manager to the Contract Officer. In that letter, WESTON recommended that the DER accept a price adjustment for Change Order No. 1, Items 2 and 3. However, the price adjustment WESTON calculated, based on its records, differed substantially from RES' cost estimate. The basis for the difference are described in the March 27 letter. The cost estimate comparison provided in the March 27 letter was summarized on a spreadsheet prepared by WESTON's Site Representative. This spreadsheet and other supporting information were provided to the DER on April 7, 1987 in a letter from the Site Representative to the Contract Officer.

Two meetings were held at the DER offices in Harrisburg, Pennsylvania on April 10, 1987 to discuss the requests for Change Order Nos. 1 and 2. The first meeting, attended by representatives of WESTON and the DER, was conducted to brief DER management on WESTON's findings and recommendations relative to the request for Change Order Nos. 1 and 2.

A second meeting was subsequently conducted with representatives of the DER, RES, and WESTON in attendance. The DER's position was communicated verbally to RES and was elaborated upon during the ensuing discussions. RES requested that the DER put its positions in writing and provide RES with an opportunity to respond. The DER's positions on these matters were specified in a letter from Mr. James Snyder, Assistant Director, Bureau of Waste Management, to Mr. Richard Jaffe of RES dated April 15, 1987. RES responded to this correspondence on April 23, 1987 in a letter from Mr. Jaffe to Mr. Snyder.

Two meetings were again held at the DER offices in Harrisburg, Pennsylvania on May 7, 1987. The first meeting, with representatives of DER and WESTON in attendance, addressed three issues:

- the requests for Change Order Nos. 1 and 2;
- an administrative consent order issued to DER by the State of South Carolina (see Section 4); and
- problems with achieving the backfill compaction specification (see Section 4).

With respect to the first issue, a substantial amount of the meeting was devoted to reconstructing materials handling scenarios for the Grid 41 pile. This was the focus of much of the meeting because the differences in RES' and WESTON's quantity estimates for this material constituted the main contribution to the differences in their respective cost estimates.

A second meeting was subsequently convened with representatives of DER, RES, and WESTON in attendance wherein RES presented its position on each of the change order items. Videotapes of activities involving the handling of materials from the pile in Grid 41 were reviewed. Based on this meeting, resolutions were reached on each of the out-ofscope items contained in RES' requests for Change Order Nos. 1 and 2. Resolutions reached in this meeting included the following:

- For Change Order No. 1, Item 1, DER agreed that eight of the eleven electrical capacitors were not readily visible to bidders during the pre-bid site inspection and the cost for removing and disposing of the units was justifiable as out-of-scope work. RES would be responsible for the other three. It was agreed that RES would weigh the drums containing the capacitors in order to refine its cost estimate for this item. Additionally, RES agreed to provide DER with the name and qualifications of the disposal facility it proposes for the capacitors.
- For Change Order No. 1, Item 2, DER agreed that the cost for sorting the debris in Grid 41 and transporting and disposing of the material at an appropriate facility was justified as out-of-scope work. It was agreed that DER would accept the costs associated with transportation and disposal of nine loads of this material rather than the twenty-five loads originally claimed by RES. RES agreed to sample and analyze the pile to determine whether the soil was contaminated and should be disposed as hazardous waste.

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- For Change Order No. 1, Item 3, DER agreed that costs for removing residual solids from three tankers was justifiable as out-of-scope work, since the RFQ/P stated that these tankers were empty. Allowable charges for transportation and disposal, less than those originally requested by RES, were agreed upon.
- For Change Order No. 2, Item 1, DER agreed to bear the costs for testing the electrical panels for the presence of PCB.
- For Change Order No. 2, Item 2, DER agreed to bear the costs for testing the dielectric fluid, disposing of the transformer, and to attempt to recover these costs from PECO (whose name was stencilled on the unit, but who has claimed to RES that the unit is not theirs).
- For Change Order No. 2, Item 3, a cost proposal and technical approach had not been submitted as of this meeting.

Also during the May 7, 1987 meeting in the DER offices the cost estimate spreadsheets developed by WESTON and RES were independently revised to further ensure that all of the parties were in concurrence with the resolutions described above. It was agreed that WESTON and RES would revise their respective spreadsheets and submit their findings to the DER. WESTON's revised cost estimate spreadsheet was transmitted to the DER Contract Office via a letter dated May 11, 1987.

On October 13, 1987, RES submitted its final cost summary for Change Orders Nos. 1 and 2. Costs were provided for those items which had not previously been estimated, including:

- Change Order No. 1, Item 1 Disposal of PCB Capacitors; and
- Change Order No. 2, Item 3 Removal and disposal of compressed gas cylinders.

RES' costs for all of the change order items were submitted in spreadsheet format.

On November 30, 1987, Ms. Kim DeKona, of the DER, notified WESTON of the labor and equipment rates recommended to the DER by the Comptroller's Office. These rates were used to revise the cost evaluation spreadsheets previously prepared by WESTON. The revised spreadsheets were transmitted to the DER on December 1, 1987.

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Based on the resolutions described above, the DER agreed to bear the cost of out-of-scope work for Change Order Nos. 1 and 2. This is less than that originally requested by RES.

3.3 Change Order No. 3

Section 5.5 of the RFQ/P required the contractor to sample, analyze, remove, and dispose of the contents of an underground tank (located in front of the former boiler house) and to backfill the tank with clean sand. Furthermore, Section 2.4 of the RFQ/P stipulates that for bidding purposes, the volume of the tank was assumed to be 1,000 gallons and the tank was completely full of an oil/water suspension. The RFQ/P recognized closure of the underground tank as an aspect of the work for which a change order would be considered if the actual quantity or contents differed from the specified assumptions.

Subsequent measurements by RES (and verified by WESTON) revealed that the volume of the tank was approximately 10,000 gallons. Additionally, it was determined that the tank contained two distinct layers. The top layer appeared to be aqueous and exhibited a light petroleum-type sheen. The bottom layer resembled a heavy oily sludge. Removal and disposal of the wastewater and sludge layer are described in Section 2.3.3.

RES submitted a request for Change Order No. 3 to cover the extra costs it anticipated for closure of the underground tank. The request, dated April 9, 1987 (see Appendix D) totalled \$28,524.71.

The DER directed WESTON to evaluate the justification for and costs associated with this change order request. WESTON evaluated the request for Change Order Nos. 3 in a manner similar to that used for Change Order Nos. 1 and 2. Based on a review of its field notes, photographs, and videotapes of the underground tank closure, WESTON expressed its comments and recommendations to the DER in a letter to the DER Contract Officer dated May 29, 1987 (Appendix G). It was WESTON's opinion that a price adjustment was justified for closure of the underground tank; however, RES' cost estimate again differed from WESTON's. Three reasons were cited for the difference in cost estimates prepared by RES and WESTON, including:

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- A vacuum truck was dispatched to the site for removal of the wastewater layer. However, it was subsequently found that the vacuum mechanism was inoperable. Small air driven pumps were used to transfer the tank's contents into the vacuum truck. Use of the small pumps was a departure from the plan for closing the underground tank agreed to by the Site Representative. This departure resulted in expenditure of approximately four extra hours for completing the wastewater removal.
- Approximately three drums of oily soil were removed from the bottom of the tank. This material was apparently introduced into the tank's manway by RES during work not associated with the closure of this tank. The labor and materials costs associated with removing and containerizing the oily soil material resulted from the contractor's performance and are therefore not justified as out-of-scope work.
- The labor necessary to pack the sludge in 55 gallon drums and to repack the sludge into fiber packs would not be needed if RES had accurately estimated the quantity of sludge present in the tank prior to initiating tank closure work. The quantity estimate could have been used to calculate an appropriate number of fiber packs for this task, thereby averting the need for repacking.

Disposal of the containerized oily sludge was withheld pending identification of and approval by a facility in compliance with the USEPA'S CERCLA off-site disposal policy. After a qualified facility was identified, WESTON requested that RES review its transportation and disposal cost estimates for this work. A copy of this request is provided in Appendix G. As of this writing, negotiations on this change order request have not been initiated.

7 3.4 Change Order No. 4

DER and the Site Representative were verbally notified on May 15, 1987 that a fourth change order request pertaining to removal and disposal of an oily, sludge-laden soil would be submitted by RES. The history of RES' notification regarding the forthcoming change order request begins with the March 14, 1987 letter from R. Jaffe to D. Becker regarding compaction problems in certain areas of the site.

It was noted that "a highly saturated organic material" was encountered in certain areas. This material exhibited a pumping action when compaction was attempted and some of this material was forced to the surface. Actions involving the compaction problem are discussed in Section 4. Through correspondence and various discussions regarding the compaction problem, RES expressed its opinion that the problem stemmed from the presence of a sludge layer in Grids 2, 17, and 18.

On May 8, 1987 a meeting was held on-site to discuss strategies for addressing this previously unknown waste material. RES' videotape and photographs of the pumping action and sludge that reached the surface were reviewed. It was agreed that WESTON would use a power auger to explore the area of concern in an attempt to define the extent of the sludge-like material. Exploratory auguring was conducted on May 14, 1987. The sludge-like material was encountered in only one hole (located in Grid 17B) of the 11 holes drilled that day.

Based on the limited findings of the exploratory auguring work, WESTON's acting Site Representative and RES' Acting Site Supervisor agreed that the Contractor would explore the area using a backhoe. Exploratory backhoe trenching was conducted on May 15, 1987 and involved an area between 2.5 and 3.5 feet deep, approximately 22 to 27 feet wide and 32 feet long. A second area measuring 16 feet wide by 18 feet long by 2 feet deep was included in this investigation. A total of approximately 105 cubic yards of material (based on measurements obtained jointly by RES and WESTON) were removed and stockpiled during this effort. Also, on this day, laboratory analyses received by RES indicated the material was not hazardous waste.

Following a series of attempts to identify an in-state disposal facility permitted to accept this waste, Grand Central Sanitation in ______, Pennsylvania approved acceptance of the oil sludge-laden soil. Loading, transport, and disposal of this material was accomplished on July 9, 1987.

On October 13, 1987, RES submitted a letter to Ms. Kim DeKona of the DER detailing the out-of-scope costs it had incurred on this (and several other) change order requests. RES estimated its costs for Change Order No. 4 were \$9,613.08. This included a charge of \$1,517.32 for an engineering study associated with preparation of the Mod 1 disposal documents. Negotiations on this change order request have not been initiated as of this writing.

3.5 <u>Contract Amendments</u>

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SECTION 4

OTHER ISSUES

A number of issues were raised or encountered during various stages of the remedial action at the Wade Site. These ranged from difficulties in obtaining permission to use certain abutting properties and facilities to alleged violations of South Carolina laws regarding hazardous waste packaging and transportation. Several of these issues encountered necessitated field modifications to the specifications described in the RFQ/P. These issues and their respective resolutions are described in this section.

4.1 Sanitary Discharge Permitting

One of the problems encountered early in the project was obtaining permission to dispose of on-site generated sanitary wastewaters in the Delaware County Regional Water Quality Control Authority (DELCORA) sewers. On January 21, 1987 a DELCORA inspector visited the site to investigate a report of an unauthorized discharge to the sanitary manhole at Flower and Delaware Streets. The RES Site Supervisor told the DELCORA inspector that sanitary wastes from the support area of the site were being accumulated in a dedicated holding tank and were pumped to the DELCORA manhole as was approved by DELCORA for previous cleanup activities at the Wade Site. Separate holding tanks were used for the accumulation of other wastewaters, including decontamination rinsates, generated at the site and these were disposed of elsewhere, as described in Section 1.

Later that day, a DELCORA crew was observed preparing to work on the manhole in front of the site. When RES' Site Supervisor inquired as to the nature of their work, he was told the crew was preparing to grout the manhole shut to prevent these discharges. The crew was asked to postpone this work until DELCORA's approvals for wastewater discharges to the manhole during the previous cleanup activities at the site were retrieved.

WESTON researched its files from previous phases of the work and located a letter from Mr. Raymond Chesnut of DELCORA to Mr. Stuart Rosenthal, the DER Site Representative, dated January 15, 1980. In that letter, DELCORA granted permission to "pump domestic wastes collected at the Wade...Site into a nearby manhole." A copy of this letter was provided to RES and in turn to DELCORA (Appendix I).

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Subsequently, on January 30, 1987, DELCORA requested that RES sample and analyze the contents of the sanitary wastewater holding tank. Analyses requested included total organic halogen and priority pollutant metals. Discussions with RES' Site Supervisor led to an agreement that WESTON would sample the contents of the tank and analyze those samples on a rapid turnaround time basis. It was also agreed that RES would pay for the analyses, as the Contractor was responsible for obtaining any permits necessary for executing the work.

Samples from the holding tank were collected on February 3, 1987. A representative from DELCORA was present and split samples were provided to him in glassware provided by DELCORA. It was mentioned that, in addition to the parameters previously mentioned, DELCORA intended to analyze the samples for cyanide, phenols, and volatile organics.

Verbal results were received on February 10, 1987 and showed that the wastewater exhibited the following charac-teristics:

Total Organic Halide	130 ug/L
Cyanide	< 0.01 mg/L
Silver	< 10 ug/L
Arsenic	14 ug/L
Beryllium	< 5 ug/L
Cadmium	< 5 ug/L
Chromium	47 ug/L
Copper	152 ug/L
Mercury	< 0.2 ug/L
Nickel	40 ug/L
Lead	133 ug/L
Antimony	< 60 ug/L
Selenium	$10 \mathrm{ug/L}$
Thallium	< 10 ug/L
Zinc	779 ug/L

The data was transmitted to DELCORA on February 19, 1987. Based on this information, permission to continue discharging to the manhole was granted.

4.2 <u>Alternate Subcontractors</u>

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During the initial phases of its activities, RES submitted requests to use the services of various subcontractors not included in RES' proposal (Appendix J). These subcontractors included transporters, disposal sites, laboratories, and consultants for geotechnical testing and health and safety support. RES submitted requests to use the following subcontractors for the services described:

- Wayne Disposal, Inc.
 Disposal of Hazardous Waste Solids
- Michigan Disposal, Inc. Disposal of Hazardous Waste Solids
- MDS Laboratories
 Analysis of Air Samples for Volatile Organics
- Waste Conversion, Inc. Wastewater Disposal
- Chem-Clear, Inc. Wastewater Disposal
- Jack Gray Transport, Inc. Transportation of Hazardous Waste Solids.

RES' requests to use alternate subcontractors were reviewed by WESTON and the DER. These reviews included consideration of qualifications information submitted by RES and, in the case of disposal facilities, inquiries to the appropriate regulatory agencies to determine the compliance status of the facilities. All of the firms listed above were approved for use on the project with the exception of Wayne Disposal, Inc. and Michigan Disposal. These two firms were not approved because they were not in compliance with USEPA's CERCLA off-site disposal policy.

4.3 Activities on DRPA Property

During a January 8, 1987 meeting with officials from the City of Chester, RES requested the City's permission to place fill over Flower Street as shown in the design drawings of the RFQ/P. It was subsequently learned from the City's right of way records that the Delaware River Port Authority (DRPA) was the current owner of record for portions of the Wade Site, including the right of way for the portion of Flower Street that extends inside the site fence and a triangular area in the southern corner of the site. RES contacted the DRPA in an effort to secure the Authority's permission to conduct the work required on DRPA property (letter from M. Mellinger of RES to J. Yeomans of the DRPA, dated January 12, 1987). The DRPA designated Mr. Charles Odgers and Mr. John Zagorski as contacts on this Project.

A meeting was held on-site on the morning of February 11, 1987 to brief the DRPA personnel on the nature of the work impacting the DRPA's property. The DRPA requested copies of the design drawings and relevant sections of the

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RFQ/P for its review. WESTON provided the information requested to Mr. Odgers in a February 11, 1987 letter from the Site Representative (Appendix L).

A second issue arose in early March involving property owned by the DRPA and leased by the City of Chester for use as a boat launch and park area. This property, located on the southwest side of the Commodore Barry Bridge, was used as a truck staging area as directed by the City's Police Department in the January 8, 1987 meeting with the City. On March 3, 1987, Mr. Stephen Merriken, Deputy Director of City Planning, wrote to the DER Cleanup Director regarding damage caused by trucks operating on the property. The DER Cleanup Director notified Mr. Merriken that the Contractor would be required to repair any damage caused by the trucks.

A representative of the Pennsylvania Fish Commission visited the City's boat launch property and observed several empty cardboard boxes in the immediate vicinity of several trucks. The Fish Commission representative visited the Wade Site in response to his observation that littering was occurring in the truck staging area. A discussion with the DER Cleanup Director failed to resolve this issue.

On the following day, Mr. Merriken and a representative of the City's Police Department visited the site and issued an order to the DER to cease use of the boat launch property as a truck staging area. After a discussion with RES, WESTON, and the City officials, it was decided that the unimproved portion of Delaware Avenue located south of the boat launch property would be acceptable as a truck staging area. This area was used for truck staging during the remainder of the project without further difficulties.

4.4 <u>Disposal Site Difficulties</u>

Transportation of hazardous waste shipments to GSX Services in Pinewood, South Carolina was initiated on February 23, 1987 when 23 loads, totalling 999,720 pounds of waste, were shipped off-site. On the morning of February 24, 1987, RES was notified by GSX that 20 loads were lacking a certification statement on the shipping papers and that five loads were found to be "leaking from the bottom of the tailgates." The finding that some of the loads were leaking conflicts with RES' statements that all loads were leaking prior to departure and that none contained free liquid. This statement was supported by WESTON's inspections of selected loads.

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An investigation of this matter by the DER Cleanup Director and WESTON'S Site Representative included inquiries to the truck drivers and the trucking dispatcher assigned to the site. It was determined that the "leaking" observed at the disposal site most probably resulted from melting snow underlying the plastic liner in the trailer bed. Snow apparently entered the beds of several trailers that had arrived on-site on the evening of February 22, 1987. The trailers were parked in the City's boat launch parking area on the southwest side of the Commodore Barry Bridge. Snow plowing on the bridge reportedly impacted the trailers parked below. Prior to loading, plastic liners were placed in the bed of each trailer, however, the snow in the trailers was not dumped prior to this activity. This went unnoticed as RES in accordance with the specifications of the RFQ/P, inspected the loads only after loading and decontamination.

The State of South Carolina issued two consent orders on April 24, 1987 in response to the leaking observed by the State's inspectors. The first order, issued to Dart Trucking Company, Inc., alleged violation of:

- State hazardous waste management regulations regarding the discharge of hazardous waste during transportation; and
- State laws governing discharges of industrial and other waste into the environment of the State.

The second order, issued to the DER, alleged violation of State hazardous waste management regulations regarding packaging of hazardous waste for off-site transportation (Appendix L). Each of the orders required payment of civil penalties of \$1,000. The order issued to DART Trucking Company was executed and returned to the State of South Carolina along with payment of the civil penalty. The order issued to the DER was also executed and returned to the State of South Carolina; however, the civil penalty was paid by RES.

4.5 Work Involving Asbestos-Suspect Materials

Insulation suspected of containing asbestos fibers was identified by RES on several pipe runs in the grinding building. The Site Representative examined the insulation in question and concurred with RES' opinion that the insulation probably contained asbestos. Additionally, examination

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of the boiler house by the Site Representative revealed three piles of debris suspected of containing asbestos. Asbestos-suspect insulation was subsequently found in the office building on a pipe run leading from the stairwell in the basement to the second floor of the building.

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Based on the fact that asbestos-suspect insulation was present on-site, RES notified the Site Representative that the Occupational Safety and Health Administration (OSHA) must be notified regarding removal and disposal of the insulation (Appendix M). It was agreed that the DER Cleanup Director would pursue and submit the required notifications to the appropriate regulatory authorities. A copy of the notification submitted to the DER Air Quality office in Norristown, Pennsylvania is provided in Appendix M.

RES submitted a request to execute the demolition work under Phase 5 progressively during Phases 2 through 5, inclusive (see Section 4.6.1). Conditional approval to perform the work in a progressive manner was granted provided certain modifications to the Phase 5 safety plan were made (Appendix C). One of the conditions required that asbestos hazards and removal techniques be added to the safety plan. RES submitted a generic health and safety plan for asbestos removal (Appendix M). This plan was made an attachment to the Phase 5 safety plan and RES' employees were briefed on the asbestos removal health and safety requirements.

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On February 25, 1987 the Site Representative observed that RES had initiated demolition of the boiler house prior to removal of asbestos-suspect materials. RES was directed to cease further demolition of the boiler house until;

- the presence or absence of asbestine-materials had been determined, or;
- the asbestos-suspect materials had been removed from the building in accordance with all applicable regulations.

RES complied with this directive and tasked its health and safety subcontractor with sampling the debris piles and the air space in the boiler house for the presence of asbestos. The samples were analyzed by (<u>laboratory</u> <u>name</u>) using phase contact microscopy (Appendix M). Neither the air space nor the three debris piles contained asbestos fibers. Based on this data, demolition of the boiler house was allowed to proceed.

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Asbestos-suspect insulation in the grinding room was handled by cold cutting the pipe lengths in question at joints not covered by insulation. The pipe lengths removed in this manner were wrapped in several layers of plastic, secured with duct tape and staged on-site pending disposal. This approach was employed to minimize disturbance of the insulation and release of asbestos fibers to the atmosphere. ain to^{r t}i

The asbestos-suspect piping in the office building necessitated a somewhat different method of removal. This was due to the fact that:

- the pipe and insulation was immediately adjacent to the walls, and;
- the pipe passed through structural members that could not be removed at that point in the project.

Removal of the insulation in this area proceeded by wetting the suspect insulation with water to minimize release of airborne fibers. The insulation was removed using hand tools and placed in a plastic bag. At the completion of the removal, the bag was closed and was placed inside a second plastic bag which was in turn closed. The material was staged on-site pending disposal at (<u>disposal</u> <u>site name</u>).

4.6 Field Modifications

Several unforeseen conditions encountered during the remedial action necessitated modifications to the specifications in the RFQ/P. In certain instances, these modifications were initiated and/or approved directly by the WESTON Site Representative. The DER Cleanup Director and the Contract Officer were notified of all modifications approved by WESTON. In other cases (particularly those that could have involved extra cost to the Contractor), WESTON provided technical assistance and recommendations to the DER. The DER then used this information in considering approval of a design modification. Areas where field modifications were considered included:

- revisions to the demolition approach described in the Contractor's proposal;
- revisions to the required depth of removal for specific grids;
- redesign of the southwestern drainage swale;

- removal of concrete machinery pedestals;
- extension of monitoring well casings and bumper guards; and
- revisions to the compaction requirement for select fill.

Each of these field modifications are described in this subsection. It should be noted that none of these field modifications resulted in a change order request by the Contractor. Unforeseen conditions resulting in submittal of change order requests are described in Section 3.

4.6.1 Revised Demolition Approach

RES submitted a request on January 31, 1987 to execute Phase 5 demolition activities during Phases 2 through 5, inclusive (Appendix C). The request for "progressive sequencing" of Phase 5 demolition work provided several reasons for this approach, including:

- several severe, early snow falls, which could have effected the Project schedule (demolition activities were reportedly not as sensitive to severe weather as other activities were);
- clearing the site would provide more space for facilities and staging areas for non-hazardous materials; and
- non-productive time during Phases 2 through 4 could be utilized productively.

WESTON's initial review of RES' progressive sequencing request revealed the need for a detailed technical proposal. The DER was apprised of this need and a request for additional information was made to RES' Site Supervisor in a February 9, 1987 letter from the Site Representative (Appendix C). Information requested by the Site Representative included:

- listing of equipment to be used for the demolition work;
- sequence of tasks;

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 detailed description of personnel control to keep unnecessary individuals clear and accounted for; and

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delineation of rubble staging areas.

It was also mentioned that demolition around electrical panels suspected of being PCB contaminated would not be permitted until the presence or absence of PCB had been determined.

RES' technical approach for progressive sequencing of the demolition work was submitted on February 11, 1987 (Appendix C). DER and WESTON evaluated RES' request and approach for progressive sequencing of Phase 5 demolition work as well as the Phase 5 safety plan. It was determined that the sequence of tasks and the heavy equipment proposed for the progressive sequencing approach were adequate. RES' plan for controlling personnel in the vicinity of demolition work included:

- performing demolition work when only RES personnel were on-site;
- discussing demolition work planned for a given day at the daily safety meeting; and
- inspection of the area by the foreman prior to knocking down masonry walls or roofs.

These controls were also found to be adequate, however, it was suggested that the foreman should have immediate access to an air horn or other means of stopping work.

Conditional approval to proceed with progressive sequencing of Phase 5 demolition work was given to RES on February 23, 1987 via a letter from the Site Representative (Appendix C). Conditions specified in the approval letter included five health and safety plan items. RES revised the Phase 5 safety plan accordingly and proceeded with progressive demolition. Safety-related problems associated with this approach are discussed in Section 5.

4.6.2 Excavation Depths

Excavation activities in the southern third of the site closest to the Delaware River revealed the presence of a large concrete mass at a depth of one to two feet. Large, irregular slab-like masses of concrete were also observed

on the river bank and are believed to be related to the mass underlying the site. The mass underlying the site was very irregular in shape and appeared to be up to two feet thick, as evidenced by a portion of the mass removed by RES. Site workers who were familiar with the history of the area set forth two hypotheses for the origin of the concrete mass. It was thought that the mass originated from washout of concrete trucks during construction of either the roadbed to the old ferry house or the Commodore Barry Bridge (or both).

The discovery of the concrete necessitated some modification to the excavation plan (Drawing 102 in the RFQ/P). WESTON confirmed the presence, extent, and thickness of the concrete reported by RES and evaluated potential means of addressing this finding. Upon review of the RFQ/P, it was learned that the presence of the concrete was previously known.

Based on discussions with WESTON and RES, the DER determined that the most appropriate course of action was to excavate only until the soils overlying the concrete had been removed. Further removal was not warranted and was not consistent with the fact that the concrete floor slabs in the former buildings would be left in-place and covered with backfill. The depth of excavation achieved is illustrated in the cross-section drawings provided in the pocket at the end of this report.

4.6.3 Drainage Swale Redesign

The RFQ/P included specifications and drawings for rough and final grading of the Wade Site. Rough grading was a Phase 5 activity and a major component of Phase 6 was final grading. During the course of the work, it became apparent to the Site Representative that certain modifications to the grading plans would be necessary due to the following site features:

- previously unknown concrete retaining wall on the western side of the underground storage tank and the southern portion of the tank, both of which were located above rough grade elevations;
- concrete pads (building floors) near the eastern fence would both protrude above rough grade and interfere with the positioning of the eastern swale;

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 the northern part of the western drainage swale was located in the Flower Street roadbed, which was crowned both axially and across its width; and 1510

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 several machinery pedestals would protrude above rough and final grades.

These items were not located during pre-design surveys because it is not customary to employ a highly detailed design for most drainage swales, as field modifications are expected for their construction. The machinery pedestal issue is addressed in Section 4.9.4. Modifications associated with the other three site features are described herein.

At the request of the Site Representative, on March 12, 1987 a WESTON civil engineer visited the site to evaluate the location of the drainage swale along the western flank of the site. The principal recommendation resulting from this visit was that the swale should be relocated to the northeast and out of the roadbed. Certain recommendations regarding curbing modifications south of the axial crest in the road were also developed (see WESTON memo of March 16, 1987; Appendix O), Revisions were made to the RFQ/P Drawing Numbers 104, 105, and 106 to reflect these changes. Copies of the revised drawings were transmitted to the RES' Site Supervisor by the Site Representative in a letter dated April 24, 1987 (Appendix O).

RES subsequently notified the DER that additional modifications to the western drainage swale were necessary due to the presence of a formerly unknown concrete mass in the southern third of the property. Through discussions between the Acting Site Representative and RES' Site Supervisor, it was agreed that construction of the western drainage swale could be accomplished by relocating the centerline of the swale approximately five to ten feet to the east in Grids 56 and 57. Additionally, the centerline of the swale would be moved to the west (off the edge of the concrete mass) in Grids 58, 59, 60, 61, 62, and 46. RES' plans to complete the construction of the western drainage swale in this manner was communicated to the DER in a letter form the Site Supervisor dated May 17, 1987 (Appendix O).

DER approved modifications in the drainage swale construction via two letters to RES' Contract Administrator. The first letter from the DER Contract Officer, dated May 12, 1987 (Appendix O) approved certain modifications to the eastern swale along the PECO fence line. Concrete pads

(building floors) in close proximity to the fence necessitated shifting the centerline of the swale closer to the fence line. Additionally, minimal cover would be present over certain parts of the concrete pads between stations E-1275 and E-1340. The second letter, dated May 15, 1987 (Appendix O) from Ms. Frances L. Costanzi, an engineer for the DER, approved the modifications to the western swale described in RES' letter of May 12, 1987. The completed eastern and western drainage swales are shown in Figures 4-1 and 4-2, respectively.

4.6.4 <u>Removal of Concrete Pedestals</u>

During the course of the Phase 5 demolition work, a number of large concrete pedestals and machinery mounts were found inside the buildings. These pedestals were inspected by WESTON on April 9, 1987 and the following observations were made:

- Pedestal No. 1 located 43 feet from the PECO fence line on gridline E-1285 (see Figure 4-3). This pedestal measured approximately 25 feet wide by 8.3 feet long and 3.4 feet high on the first level and 4.1 feet high on the second level. One-inch steel plates covered the pedestal and heavy steel reinforcing was observed protruding from several sides.
- Pedestal No. 2 located 43 feet from the PECO fence line on gridline E-1334. This structure measured 9 feet long by 7.5 feet wide by 3.5 feet high and also appeared to be heavily reinforced.
- Pedestal No. 3 located 33 feet from the PECO fence line on gridline E-1450. This structure measured 3 feet wide by 9.5 feet long. Previous attempts to demolish this structure using the ramhoe had exposed heavy steel reinforcing (1/2 and 3/4-inch bar).
- Pedestal No. 4 located 49 feet from the PECO fence line on gridline E-1450. This structure was of the same size and reinforcing as Pedestal No. 3.
- Pedestal No. 5 located at N-970, E-1500, measuring 5.4 feet long by 4.7 feet wide. Heavy reinforcing including 3/4-inch bars and 1-inch diameter bolts protruded from the sides.

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 Grinding Machine Mount - located 56 feet from the PECO fence line on the E-1408 gridline. 頭習

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RES' Site Supervisor indicated to the Site Representative that, due to the very heavy reinforcing present in these structures, it was likely that a change order request would be submitted for this work. Based on WESTON's review of the pedestals and the design requirements, it was determined that removal of the pedestals would not be necessary. This was communicated to RES' Site Supervisor in a letter from the Site Representative dated ______, 1987 (Appendix ___).

Upon further consideration of this matter, RES determined that due to potential liabilities associated with leaving the pedestals in place, it would proceed with removal of the pedestals at no cost to the DER. The Site Representative was apprised of RES' plans to proceed with removal of the pedestals using a hydraulic ramhoe. Although progress on this activity was very slow due to the heavy reinforcing of the pedestals, removal of the pedestals was accomplished satisfactorily. Concrete rubble generated from this activity was used as structural fill in grids 1, 17, 33, and 49 (see Section 4.8.5).

4.6.5 Monitoring Well Modifications

The rough and final grading plans for the site called for substantial modifications to the existing topography of the site in order to promote stormwater runoff and drainage. Topographic modifications primarily involved raising the elevation of certain portions of the site by about four feet. Several of the monitoring wells located throughout the site would be partially or fully covered by fill materials where substantial changes in the topography was planned. Monitoring wells effected by these activities included:

- B2 and B2A located behind the former office building in grids 4 and 20;
- B8 and B8A located adjacent to the former concrete sump in grid 28; and
- B5 and B5A near the PECO fence line in grid 11.

Section 3.1 of the RFQ/P requires the Contractor to preserve, repair and, if necessary, replace fences and roads damaged during execution of the work. Through discussions with RES, the Cleanup Director, and the Site Representative,

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it was agreed that RES would extend the casings of monitoring wells impacted by backfilling activities and that improvements would be made to the protective bumper guards around the wells. An example of one monitoring well installation improved in this manner is shown in Figure 4-4. - 1095

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Monitoring wells B3 and B3A in grid 66 were modified during construction of the ramps for the truck scales. The casing on both wells were cut to a height of approximately six to eight inches above the road surface and the protective bumper guards were removed. Concrete formwork for the scale ramps was constructed to isolate these wells. After removal of the scales at the completion of site work, the casing heights were left as is and new bumper guards were fashioned from welded angle iron.

4.6.6 Compaction Difficulties

One of the areas where RES identified a design problem and initiated a field modification concerned attaining the backfill compaction specifications described in the RFQ/P. Sections 8.6 and 9.6 of the RFQ/P required that rough and final backfill materials be compacted to a minimum uniform density of 90 percent of the maximum density determined by ASTM Method D-698. RES notified the DER via a letter to the Contract Officer dated March 14, 1987 (Appendix P) that the compaction specifications were not achievable in certain areas of the site due to the presence of an unsuitable sub-base. Areas where unsuitable sub-base was encountered included:

- the grids along the Delaware Avenue fence line where, "a saturated, highly organic material" was found to create a pumping action during compaction of the overlying fill; and
- areas of the site containing shredded rubber and rubber fragments.

In its March 14, 1987 letter, RES petitioned for relief from the 90 percent compaction specification for the entire site and proposed a compaction specification of 85 percent for the majority of the site. It also proposed that no compaction requirement be specified for the two areas described above.

At the direction of the DER Contract Officer, WESTON reviewed and evaluated RES' petition for relief from the compaction specifications. WESTON's evaluation included



consideration of native soil characteristics and the presence (or absence) of water in the subscils as observed during the Phase 4 excavation activities, as well as geotechnical data submitted by RES for the proposed backfill soils. WESTON's findings and recommendations were transmitted to the DER Contract Officer via a letter from the Site Representative, dated April 24, 1987 (Appendix P).

Findings in that letter include concurrence with RES' position that the sub-base in grids 1, 2, 17, 18, 33, and 49 were unsuitable. However, the unsuitable sub-base conditions in grids 2 and 18 were believed to have resulted from the Contractor's method of placing structural fill (building rubble) in those grids. Various engineered approaches for addressing these compaction difficulties were considered, including:

- removal of the unsuitable materials until suitable native soils were encountered;
- use of imported structural fill (rip-rap, boulders, etc.) to bridge or stabilize the underlying sub-base;
- support for the overlying fill materials; and
- combined use of geotextiles and imported structural fill.

Based on these considerations, WESTON made the following recommendations to the DER:

> backfilling in grids 1, 17, 33, and 49 be preceded by placement of an 18 to 24 inch layer of large rip-rap stones. The rip-rap should be well graded to include large stones up to 12 inches in size as well as smaller rocks to fill the voids. The rip-rap should be placed using a hydraulic excavator without compaction. The subsequent lifts of imported gravel should be placed using the heavy equipment at the site. However, compaction of the gravel lifts should not be performed using vibrating compaction equipment. These backfilling methods should result in a stable sub-base for subsequent lifts of rough and final grade materials.

> unsuitable material in grids 2 and 18 should be removed until the naturally occurring sub-base soils are encountered. Backfilling with gravel should proceed in accordance with the requirements of the RFQ/P.

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• DER should not grant an all encompassing waiver from the 90 percent compaction specification, as requested in RES' letter of March 14, 1987. Rather, a waiver specific only to grids 1, 17, 33, and 49 specifying a minimum backfill compaction of 85 percent of maximum dry density should be granted.

The DER considered WESTON's recommendations and advised RES that it was granting a waiver from the 90 percent compaction specification in specific grids in accordance with WESTON's recommendations. The DER's position on RES' petition for relief was communicated to the RES Contract Administrator in a May 4, 1987 letter from the DER Contract Officer (Appendix P).

RES performed the work in grids 1, 17, 33, and 49 in accordance with WESTON's recommendation that rip-rap be used to stabilize the sub-base. This was supplemented by removal of the oily sub-base soil, as described in Section 3.3. Materials used for stabilizing the sub-base included concrete rubble and sidewalk slabs obtained from continuing on-site work and 6 inch stone (specification PA-DOT 2B) remaining after construction of the drainage swale filter berms. These materials successfully stabilized the sub-base such that subsequent compaction of the overlying fill soils consistently achieved or exceeded the 90 percent compaction specification of the RFQ/P.

RES continued to place additional lifts of select fill in grids 2 and 18. Compaction testing of the fill layers in these grids showed a continual improvement in the degree of compaction. Additionally, the minimum 90 percent density specification was achieved or exceeded consistently in both grids.

4.7 Verification of Topographic Survey and Grades

RES was required to perform topographic surveys and to prepare cross-sections and topographic maps of the site at various points in the project. Topographic surveys associated with the remedial actions of the Wade Site were subcontracted to H. Gilroy Damon Associates, Inc. of Sharon Hill, Pennsylvania. One of the activities performed by WESTON in this regard was a review and verification of RES' surveyrelated submittals. Field notes were checked for accuracy and elevations shown on drawings submitted by RES were checked for consistency with the field notes. Confirming elevation data was surveyed and used as a means of checking RES' survey data.

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During the day-to-day execution of the work, WESTON provided assistance to RES in determining certain grades and elevation data. Specifically, the Site Representative located the two drainage swale berms, surveyed elevations of points where compaction tests had been conducted and elevations in the drainage swale at the northwestern corner of the site.

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SECTION 5

HEALTH AND SAFETY

5.1 Phase Specific Safety Plans

In the proposal it submitted in response to the RFQ/P, RES proposed to develop and implement phase specific safety plans for the seven distinct phases of work planned for final remediation of the Wade Site. These phase specific safety plans were in addition to the overall Project Safety Plan specified in the RFQ/P. As proposed, RES prepared both the overall Project Safety Plan and the individual phase specific safety plans. These plans were submitted to the DER for its review and concurrence. Copies of the safety plans are provided in Appendix Q.

As discussed in Section 4, RES submitted a request to execute the Phase 5 demolition work during Phases 3 through 5, inclusive. Based on a review of this request by WESTON and the DER, several modifications to the Phase 5 safety plan were required as conditions to proceeding with the Phase 5 demolition work. The specific safety plan modifications included:

- asbestos and PCBs were to be added to the list of contaminants and hazards expected on-site, procedures for monitoring for these substances were to be described;
- respiratory protection in accordance with OSHA rules for asbestos removal were to be utilized; and
- procedures for clearing the work area prior to demolishing any high structures were to be included, provisions for supervisory observation and emergency alarms were to be described.

RES modified its Phase 5 safety plan to address these comments. Additionally, it submitted a "generic" safety plan for asbestos work. This asbestos safety plan was made an attachment to the Phase 5 safety plan and RES' personnel performing asbestos related work were subject to the provisions of the asbestos safety plan.

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5.2 Work Zones

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The RFQ/P (and OSHA rules) required the establishment of distinct work zones as a means of controlling access and worker exposure at the Wade Site. RES established three work zones at the Wade Site, as illustrated in Figure 5-1. The support zone consisted of the office and supply trailers located on the portion of Flower Street and extended inside the site fence. Personnel protection was not required in the support zone and eating, drinking, and smoking were permitted in certain areas.

The contamination reduction zone (CRZ) served as the second work zone. The CRZ consisted of a wooden shelter built at the entrance to the former office building, in which tools and protective equipment were stored. This shelter also served as a dressing room wherein personnel protective equipment was donned. The second area within the CRZ was the first floor of the former office building. Personnel exiting the site were required to remove personnel protective equipment in this room. A triple bucket washing station was maintained for decontaminating workers' boots and reusable apparel. Boot racks were provided to maintain the boots in an orderly manner and to raise them off the floor to facilitate drying.

A separate CRZ, established near the terminus of Flower Street, was used for the decontamination of trucks, heavy equipment, and other vehicles which had entered the site. Initially, the vehicle CRZ consisted of a temporary wooden pad with a heavy synthetic liner for collection of decontamination rinsates. The temporary pad was replaced with a more durable one constructed of welded steel. Rinsates collected in the vehicle decontamination pad were pumped to the temporary water holding tanks in the former office building. Solids removed from the pad were placed on the contaminated soil pile and allowed to dry prior to off-site transport.

The third work zone established by RES was the exclusion zone (EZ). The EZ consisted of all of the remaining land area inside the fenced portion of the site. Throughout the majority of the site work, employees entering the EZ were required to utilize protective equipment, including air purifying or supplied air respirators. Access to the EZ was only to be gained via the CRZ and all individuals exiting the EZ were required to pass through the CRZ prior to entering the support zone.

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As the work progressed through the seven phases, the work tasks and the nature of the associated hazards changed. Due to these changes, the extent of the various work zones also changed. As the work progressed from phases involving hazardous materials into phases involving only general construction, the extent of the exclusion zone was reduced. Additionally, after all of the hazardous material work specified in the RFQ/P had been completed, the use of a CRZ was terminated and the former office building housing the CRZ was demolished.

5.3 Personnel Protection

The specifications in the RFQ/P included requirements for the provision and utilization of personnel protective equipment by personnel entering the exclusion zone of the CRZ. RES provided various levels of personnel protective equipment for its employees. Utilization of a given level of personnel protection was dependent upon the work or tasks to be performed and the nature of the associated hazards. The levels of personnel protective equipment used by RES are summarized in Table 5-1.

As the work progressed and the nature of the associated hazards and extent of work zones changed, the levels of personnel protection employed by RES in a given area also changed. For example, RES utilized levels D and D+ during Phase 1 mobilization activities, whereas Levels D and C were used during Phase 2 removal work. Levels C and B were utilized during Phases 3 and 4 as well as during the demolition work in Phase 5. Levels D and D+ were then used during the remaining general site work in Phases 5, 6, and 7.

5.4 Decontamination

As described previously, separate contamination reduction zones were established for the decontamination of personnel and equipment. Personnel decontamination consisted of washing the workers' outer boots, gloves, and reusable apparel in a triple bucket wash/rinse station located at the entrance to the first floor of the former office building. The workers' removed these items and placed their boots on a rack to facilitate drying. Disposable garments were then removed and placed in bags for disposal.

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LEVELS OF PERSONNEL PROTECTIVE EQUIPMENT

Safety Apparel	Chemically resistant coverall, rubber boots, neopreme or rubber outer gloves, latex (surgical type) under gloves, hard hat, steel toe boots, cotton work uniform.	Same as above.	Same as above with facial splash protection.	Hard hat, steel toe boots, cotton work uniform.	
Respiratory Protection	Self Contained Breathing Apparatus	Air Purifying Respirator	Not Reguired	Not Regulred	
Work Zone or Tasks	Exclusion Zone - drum opening and sampling; underground tank entry	Exclusion Zone - all other tasks during Phases 2, 3, 4, and most of 5	Contamination Reduction Zones	Support Zone (and entire site during Phases 6 and 7	
Designated Level of Protection	A	U	<u>አ</u>	A () (0381

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Some problems were encountered in regard to the establishment, utilization, and maintenance of the triple bucket Establishment of the station lagged wash/rinse station. behind the utilization of personnel protective equipment. Personnel utilized reusable protective equipment on-site for approximately two weeks prior to establishment of the Thus, reusable apparel was not subwash/rinse station. jected to the decontamination procedure during this period. Maintenance of the wash/rinse station improved progressively throughout the remedial action. Two maintenance problems encountered were the occasional freezing of the wash and rinse solutions and failure to regularly replenish and replace the solutions. These problems were communicated to RES as they were encountered and RES generally addressed them within a short time.

Decontamination of trucks, heavy equipment, and other vehicles which had entered the exclusion zone consisted of pressure washing using a "steam jenny" while the subject vehicle was parked on a containment pad. This proved to be an adequate means of decontaminating vehicles with the occasional exception of when very muddy conditions existed on-site. Maintenance of the containment pad consisted of pumping collected rinsates to the temporary tanks in the former office building and using hand tools to remove accumulated solids. Operation and maintenance of the vehicle CRZ proceeded smoothly, as these tasks were performed regularly.

5.5 Air Monitoring

RES performed a substantial amount of time weighted and real time air monitoring during Phases 1 through 6, inclusive. This work was performed via a subcontract with Phoenix Safety Associates of Phoenixville, Pennsylvania and supplemented by RES' in-house health and safety staff.

5.5.1 Time_Weighted Monitoring

The specifications in the RFQ/P required the Contractor to establish six perimeter air monitoring stations and to collect volatile organic and particulate air samples from each of those stations on a daily basis. Of the samples collected, three were to be analyzed by a qualified laboratory on a 24-hour turnaround basis.

RES established five perimeter air monitoring stations, illustrated in Figure 5-2, and collected samples from each of these stations on a daily basis. Detailed records



regarding air sample collection (including pump calibration and operation data) were maintained. The samples were analyzed by an independent laboratory; however, a minor modification to the 24-hour turnaround time requirement was approved by WESTON. Specifically, due to the limited number of samples sent to the laboratory on a daily basis, it was believed that the quality and reliability of the air data could be improved by batching the samples on a bi-daily basis. Therefore, the turnaround time was 48 hours for the samples received on the first day and 24 hours for the samples received on the second day. Summaries of the air monitoring data are provided in Tables 5-2 through 5-7.

The Contractor was also required to monitor meteorological conditions on an hourly basis during active site work and air sample collection. This information was important in the selection of perimeter air samples for laboratory analyses. During the initial phases, RES monitored meteorological conditions as reported for the Philadelphia Airport. Subsequently, an on-site meteorological station was installed in RES' trailer and was used to monitor wind speed, wind direction, and temperature.

5.5.2 Real Time Air Monitoring

The RFQ/P required the Contractor to perform hourly rounds of the perimeter and active work zone and to monitor these areas for volatile organic emissions using real time instrumentation. RES assigned this task to the Phoenix Safety health and safety technician. An HNu model PI-101 photoionization detector was used for the real time monitoring. Results of the field observations and instrument calibration data were recorded in a bound logbook as required by the RFQ/P.

The real time air monitoring showed that little or no volatile organic emissions resulted from implementation of the remedial action. The only exception to this occurred during excavation in grids 1, 17, 33, and 49 along the fenceline bordering Delaware Avenue. A sweet aromatic odor was noted in the support zone during this work and the health and safety technician was asked to investigate using the HNu monitor. It was found that the odor apparently originated from grid 33 and, although a slight odor was noticeable immediately outside the fence, it was not measurable using the HNu past the site fence.

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FIGURE 5-2 through 5-7 SUMMARIES OF AIR MONITORING DATA

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5.6 <u>Health and Safety Issues</u>

During the course of the site work, several health and safety related issues and problems were encountered. The nature of these issues and the resolutions reached and corrective actions taken are described in this section.

5,6,1 Establishment of Work Zones

Section 13.4.4 of the RFQ/P required the Contractor to establish three distinct work zones, including an exclusion zone (EZ), a contamination reduction zone (CRZ), and a support zone (SZ). The purpose of these zones was to control access and egress from contaminated areas and to prevent persons without proper protective equipment from unknowingly entering areas where such equipment was required. Site work was initiated on January 9, 1987 and the work zones were not delineated as required until January 16, 1987. During this period, the Site Representative repeatedly advised RES of the importance of delineating the work zones.

RES delineated the work zones as previously described in Section 5.2. A network of color-coded wooden posts was used to delineate the exclusion and contamination reduction zones from the support zone. Monitoring the Contractor's adherence to these work zones proved to be difficult due to the fact that many of the color-coded posts were removed by heavy equipment or were obscured by material stockpiles. Additionally, RES revised the extent of the work zones during Phases 4 and 5 without prior notification to the DER or the Site Representative. These difficulties were addressed by RES (as requested by the Site Representative) by posting maps of the work site illustrating the current work zone delineation.

5.6.2 <u>Provision of Health and Safety Technician</u> <u>Support</u>

Section 13.4.3 of the RFQ/P required the Contractor to provide an industrial hygiene technician responsible for the implementation and enforcement of the personnel protection program. The industrial hygiene technician was required to be on-site at all times when the work was in progress.

RES initiated site work without the required industrial hygiene technician support. The Site Representative advised RES of this non-conformance on January 14, 1987. RES provided in-house industrial hygiene support on January 16, 1987, when Mr. Faul Thomas of RES(DE), Inc., Corporate

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Health and Safety Director, was present on-site. RES subsequently subcontracted with Phoenix Safety Associates of Phoenixville, Pennsylvania to provide the required industrial hygiene technician. Phoenix Safety's coverage of the site continued from January 19, 1987 until March 21, 1987 when the individual hygiene technician was relieved of her duties by RES' Site Supervisor (see Section 5.6.2). Industrial hygiene support was not provided on March 23, 1987 and was provided for partial coverage on March 26, 1987. These deficiencies were communicated to RES' Site Supervisor and to the DER Contract Officer. Full time industrial hygiene support was provided from March 27, 1987 throughout the remainder of the site work.

5,6,3 Health and Safety Incidents

During the course of the site work, a number of health and safety incidents occurred. Copies of the incident reports prepared by RES and its health and safety subcontractor are provided in Appendix Q. Most of the incidents were of minor consequence and only one resulted in a lost time injury.

One significant incident did occur during the demolition phase of the work. On April 9, 1987, RES was progressively demolishing the former office building using a backhoe. During this work, the southern wall of the office building collapsed onto the wooden equipment storage shed situated in front of the building. An employee working in the shed narrowly avoided injury as the shed was severely damaged. This incident led to submittal of an incident report and a memo to RES' Site Supervisor from the health and safety subcontractor.

RES notified the DER of the incident on April 13, 1987 in a letter from Mr. Karl Shuler to Mr. James Snyder. Based on a review of the notification, WESTON recommended to the Contracting Officer that RES work at the Wade Site be suspended until certain safety issues (including notification and demolition procedures) could be resolved. Through continued correspondence and discussions, DER allowed the site work to continue concurrently with RES' corporate level investigation of the incident.

5.6.4 Hot Work Control

During the pre-construction conference held on-site on January 9, 1987, RES advised the DER and the Site Representative of a potential need to use hot work during the

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demolition activities to cut through large steel members. Hot work was expressly prohibited by the RFQ/P and RES was reminded of this fact.

During the removal of tankers from the site during Phase 2, RES' Site Supervisor requested that hot work be allowed so that the tankers could be cut prior to off-site transport. RES was again advised that on-site hot work was prohibited by the RFQ/P. Consequently, RES elected to transport the tankers to a nearby yard where hot work could be used for tanker cutting.

Limited use of hot work was permitted on-site during the demolition activities. Torches were used to cut steel machinery mounts and bolts in excess of two inches in diameter, the steel bases of the rubber storage silos and the duct work leading to the overlying cyclones. Hot work permits were required for these tasks. The use of hot work for these tasks occasionally resulted in ignition of rubber tires or oily residues on surfaces adjacent to that being cut. In one instance, slag from the torch cutting ignited a small patch of grass outside the site fence adjacent to the storage silos. All of these events were easily controlled using hand-held fire extinguishers.

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SECTION 6

OTHER INFORMATION

6.1 WESTON Level of Effort

During the course of the site work, WESTON utilized the experience of many individuals and expended a significant amount of effort in monitoring the performance of the Contractor and the acceptability of the work. WESTON's staffing for this Project consisted of a project engineer on-site full time supplemented with personnel from other disciplines as necessary. This full-time coverage was provided throughout the entire duration of the Project with the exception of three weeks during which time WESTON's contract with the DER had concluded and the DER was not able to determine with confidence that a budgetary increase would be authorized for WESTON's continued work. This budgetary increase was authorized and WESTON was able to continue its monitoring of the remedial action. Some of the other disciplines which were called upon for special expertise regarding specific aspects of the Project include:

- Civil Engineers: visited the site to evaluate the adequacy of sediment/erosion control measures; evaluated construction difficulties associated with installation of the two drainage swales; redesigned the drainage swales.
- Geotechnical Engineers: reviewed geotechnical data submitted by the Contractor; evaluated RES' petition for relief from the compaction specifications; evaluated RES' methods of placing and compacting backfill.
- Health and Safety Specialists: reviewed RES' phase specific health and safety plans; evaluated RES' request for progressive sequencing of demolition work; inspected RES' health and safety facilities.
- Air Quality Specialist: provided technical assistance regarding asbestos removal during demolition work.
- Draftsmen: revised site drawings to design changes made by the Civil Engineers.
- Field Technicians: investigated areas of the site posing compaction difficulties by collecting soil samples from certain grids.

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Another important resource called upon for support during the Project was WESTON's laboratory. The laboratory was contracted by RES to perform analyses of the site's sanitary wastewater as requested by DELCORA. Additionally, the laboratory performed analyses of samples collected from PCB suspect areas and surfaces. This work was accomplished on a standing contract between WESTON and the DER.

WESTON's activities necessitated the use of several secretarial and other support personnel. The substantial volume of WESTON correspondence directed to both RES and the DER, and the need for rapid dissemination of information pertinent to site operations necessitated a great deal of short lead time effort on the part of the support staff. Computer support was employed extensively in the review and evaluation of the change order requests submitted by RES.

6.2 Items Transmitted to the DER

The following Wade Site Project documents and records maintained by WESTON were transmitted to Mr. Donald Becker of the DER:

- 1. Logbooks
 - Wade Site Inspection Log #1 January 1987
 - Wade Site Inspection Log #2 February 2, 1987 through March 2, 1987
 - Wade Site Inspection Log #3 March 3, 1987 through March 18, 1987
 - Wade Site Inspection Log #4 March 18, 1987 through April 11, 1987
 - Wade Site Inspection Log #5 April 11, 1987 through June 2, 1987
 - Wade Site Inspection Log #6 June 3, 1987 through July 9, 1987

2. <u>Videotapes</u>

• Wade Site Cleanup #1 (January 12, 1987 through undated)

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• Wade Site Final Cleanup Tape #2

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- Wade Site Final Cleanup Tape #3 (March 6, 1987 through undated)
- Wade Site Final Cleanup Tape #4 (March 9, 1987)
- Wade Site Final Cleanup Tape #5 (undated)
- Wade Site Final Cleanup Tape #6 (April 2, 1987)

3. Photographs

One print of all photographs taken by WESTON documenting the site work. Each of the photographs was numbered and labelled with the site name, location, date, and a description of the photograph. Selected photographs appear throughout this report.

4. Drawings

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Two full size copies of the design drawings utilized by WESTON personnel on-site as working drawings.

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15. SUPPLEMENTARY NOTES

16, ABSTRACT

The Wade site is a three acre parcel of land on the banks of the Delaware River. It is located nine miles south of Philadelphia in Chester, Pennsylvania. From approximately 1950 until the early 1970's the site was the location of a rubber recycling facility which shredded tires and other post-consumer rubber products. During the early 1970's the site was converted to an illegal industrial waste storage and disposal facility. Drums of waste were emptied either directly onto the ground or trenches, severely contaminating soil and the ground water. Approximately 150,000 gallons of waste chemicals remain on-site.

The recommended alternative selected for this site consists of: removal, decontamination and disposal of on-site tires and tankers, removal of on-site waste piles; demolishing buildings, leveling the site, and filling and grading the property up to 12 inches over the existing grade to cover any protruding subsurface structures which have not been removed; removal down to the depth at which the first acceptably contaminated sample was found (based on a contamination cutoff level recommended by the RI/FS contractor); and covering the site with top-soil and seeding the cap to minimize erosion.

Key Words: Compliance with Environmental Laws, Negotiations, Capping, Excavation, Ground Water, Cost Recovery, Potential Responsible Parties

7. KEY WORDS AND DOCUMENT ANALYSIS				
a, DESCRIPTORS	D. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group		
Record of Decision: Wade Site (ABM), PA Contaminated media: gw, soil, air Key contaminants: over 100 organics, metal and inorganics	5			
18. DISTRIBUTION STATEMENT	19, SECURITY CLASS (This Report) None 20, SECURITY CLASS (This page) None	21. NO. OF PAGE5 30 22. PRICE		

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16. ABSTRACT Include a brief (200 words or less) factual summary of the most significant information contained in the report. If the report contains a significant bibliography or interature survey, mention it here.

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(b) IDENTIFIERS AND OPEN-ENDED TERMS - Use identifiers for project names, code names, equipment designators, etc. Use open-ended terms written in descriptor form for those subjects for which no descriptor exists.

(c) COSATI I IELD GROUP - Field and group assignments are to be taken from the 1965 COSATI Subject Caregory List. Since the ma-jority of documents are multidisciplinary in nature, the Primary Field/Group assignment(s) will be specific discipline, area of human endeavor, or type of physical object. The application(s) will be cross-referenced with secondary field/Group assignments that will follow the primary posting(s).

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ENFORCEMENT DECISION DOCUMENT REMEDIAL ALTERNATIVE SELECTION

Site: Wade Chester, Pennsylvania

Documents Reviewed

I am basing my decision on the following documents describing the analysis of the cost and effectiveness of remedial alternatives for the Wade Site:

- Focused Feasibility Study, Wade Site, Chester, Pennsylvania, Metcalf & Eddy, Inc., April 1984.
- Draft Report, Result of Soil Analysis and Cost Estimates for selected Remedial Activities regarding the Wade Hazardous Waste Site in Chester, PA, Roy F. Weston, November 1983.
- Summary of Remedial Alternatives Selection
- Public Comments and Recommendations
- Responsiveness Summary

Description of Selected Remedy

- remove and dispose of tires and tankers
- remove on-site waste piles
- demolish buildings
- test contents, remove contents, and close two underground storage tanks

The building on this site will be demolished and the remaining slabs will be left on site for future use. All demolition rubble will remain on the property and used for fill material.

- level debris, fill and grade property
- remove and dispose of contaminated soil

The purpose of this activity is to remove from the property any contaminated material and any material that will hinder subsequent efforts to fill and grade the site.

- cover with topsoil and seed cap
- operation and maintenance of site

Declarations

Consistent with the Comprehensive Environmental Association and Liability Act of 1980 (CERCLA) and the National Contingency Plan (40 CFR Part 300), I have determined the removal, decontamination and disposal of tankers. tires and debris; destruction of buildings, leveling; filing; and grading the site; and covering with a seeded topscil cap at the Wade site is the least costly alternative of all the remedial options reviewed that provides for current and future protection of gublic health, welfare and the environment. The State of Pennsylvania has been consulted and agrees with the approved remedy. In addition, the action will require future operation and maintenance activities to ensure the continued effectiveness of the remedy. Settlements have been reached between EPA and the responsible parties based on the selected remedy.

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I have also determined that the action being taken which includes the off-site transport of contaminated materials to a RCRA approved lined facility is the least costly alternative when compared to the other remedial options reviewed, and is necessary to protect public health, welfare, or the environment.

130/A4 Date

Μ. Thomas

Assistant Administrator Office of Solid Waste and Emergency Response

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

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AUG 3 1984

EFFICE CF SOLID WASTE AND EVERGENCY RESPONSE

P3/004

MEMORANDUM

SUBJECT:	Enforcement Decision Document Approval for the Remedial Action at the Wade Site, Chester, Pennsylvania
FROM:	Gene A. Lucero, Director Glul A. Lucho Office of Waste Programs Enforcement
TO:	Lee M. Thomas

: Lee M. Thomas Assistant Administrator

This Office has reviewed the Enforcement Decision Document and the Focused Feasibility Study for the Wade Site. I recommend that you approve the recommended alternative which will provide for future protection of public health, welfare, and the environment.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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SUBJECT: Enforcement Fodision Memorandum for Approval of Remedial Action at the Wade Sice, Chester, Pernaylvania FROM: Russel H. Wyer, Director Will Hazardous Site Control Division (WH-548E)

TO: Gene A. Lucero, Director Office of Waste Programs Enforcement (WH-527)

The Enforcement Decision Memorandum and the Focused Feasibility Study for the Wade Site has been reviewed by my staff.

I Concur I Do Not Consult

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NITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG 1 1984

OFFICE CF ENFORCEMENT AND COMPLIANCE MONTORING ani water t

MEMORANDUM

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- SUBJECT: Enforcement Decision Memorandum for Approval of Remedial Action at the Wade Site, Chester, Pennsylvania
- FROM: Frederick F. Stiehl <u>H. Jaick</u> Stuit Acting Associate Enforcement Counsel for Waste (LE-134S)
- TO: Gene A. Lucero, Director Office of Waste Programs Enforcement (WH-527)

The Enforcement Decision Memorandum and the Focused Feasibility Study for the Jade site has been reviewed by my staff.

I	Concur	
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I Do Not Concur

I Concur with Comment

Summary of Remedial Alternative Selection Wade Site Chester, Pennsylvania

Site Location, Description and History

The Wade site is a three acre parcel located on the banks of the Delaware River, just nine miles south of the City of Philadelphia, in Chester, Pennsylvania. The site is located in the industrial portion of Chester and is two blocks from the residential portion of the City. The site is bounded by the Commodore Barry Bridge, the Delaware River, a railroad right-of-way, and property owned by the rniladelphia Electric Company. From approximately 1950 until the early 1970's, the site was the location of the Eastern Rubber Recycling Company, a firm which shredded tires and other post-consumer rubber products. This use was abandoned during the 1970's and the site was converted to an illegal industrial waste storage and disposal facility. Drums of wastes were emptied either directly onto the ground or into trenches, thus severely contaminating soil at several locations, as well as jeopardizing the ground water beneath the site. In February 1978, a fire broke out which was so severe that the Commodore Barry Bridge was closed for 6 hours and 45 firemen required examination at the local hospital. As a result of the fire, one of the site buildings was completely destroyed and two others were seriously damaged. Large piles of debris containing exploded drums, building materials, tires, and shredded rubber (from the rubber recycling operations), and chemically-contaminated earth littered the property. Approximately 150,000 gallons of waste chemicals remained after the fire; most of the material was constained in 2,500 55-gallon drums located inside the fire damaged buildings, although a large portion was stored in 5 bulk tankers in the front lot.

In 1980 and 1981, contractors were engaged by the Pennsylvania Department of Environmental Resources (DER) and the U.S. EPA to remove and dispose of the drums (and their contents) contained in the buildings, to remove and dispose of the contents of the tankers, and to perform an investigation of the site's soil, ground water, and air quality. WESTON personnel served as the DER Site Representative for the day-t -day monitoring of Contractor activities.

Subsequent to the above on-site activities, CECOS was engaged by the DER in the summer of 1983 to investigate and characterize the remaining hazardous and non-hazardous elements of the site, such as debris piles and contaminated soil.

The following activities composed the scope-of-work for CECOS:

- "pick through" the debris and rubble to isolate all drums;
- 2. analyze the contents of drums containing chemicals;
- 3. repackage leaking drums in secure containers;
- stage drums containing chemicals in accordance with their contents;
- crush all empty drums;
- 6. analyze soil and debris for contamination;
- 7. determine locations and quantities of contaminated soil and debris; and
- 8. determine quantities and compositions of drummed chemicals.

In addition to the above, CECOS staged the debris into separate piles (for tires and shredded rubber, wood, scrap metal, and potentially contaminated soil) and transported and disposed of all drums containing chemicals found during the site characterization.

Since the number of drums containing chemicals was not known until the characterization was complete, removal and disposal of such drums were not included in the scope-of-work, as described in the DER's request for proposals for this site characterization. It turned out that there were 750 drums containing chemicals. It was decided from a cost and safety standpoint that these drums should be removed and disposed under this contract rather than placing them in secure storage on the site for disposal under a later contract. The Contractor, therefore, was directed, under an explicit contract option for "out-of-lump sum" work, to perform the disposal activities. Empty drums were not disposed of.

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CECOS was on the site from August 1 to September 10, 1983. 'During that time approximately 5,000 cubic yards of debris were picked through and staged in separate piles, approximately 750 drums containing chemicals were characterized; wastes were repackaged in secure containers when necessary; combined in compatible groups when possible; 630 drums were disposed; and 320 soil samples were obtained and analyzed.

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The DER monitored work acceptability and efficiency through persons formally named (in the CECOS Contract) as Cleanup Director and Site Representative. The Cleanup Director had ultimate responsibility for the site and for monitoring the Contractor's performance. The Site Representative was an employee of WESTON who was on-site full-time and represented the Cleanup Director in his absence and was authorized to make specific decisions on behalf of the DER. All cleanup actions taken to date at the site by the DER were done with the concurrence of EPA. The Agency was intimately involved, both technically and legally, in the development and implementation phases of the cleanup. All proposed actions were reviewed to assure that they complied wight by Federal environmental regulations which existed at the time.

A separate report has been prepared by WESTON titled, "Cost Estimates for Selected Rémedial Activities in Response to Hazardous Conditions present at the Wade Property in Chester, Pennsylvania." The analytical results of the soil sampling program performed by CECOS are presented in that report since they provide the basis for the cost estimates of removing contaminated soil.

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A focused feasibility study (FFS) and Endangerment Assessment for the Wade site were tasked to Metcalf & Eddy, Inc., by EPA in February 1984. The FFS considers the endangerment and recommends the most cost-effective remedial alternative.

Current Site Status

A plan of the site is presented in Figure 1. The grid markings shown on the figure were used for location the soil sampling points. As can be seen from the ligure, the site contains seven structures, four rubber storage tanks, seven tankers, a pump pit, and eleven piles of debris.

The structures vary in structural integrity from moderate to poor, all having been damaged by the fire in 1978. Although not indicated by the figure, the concrete pad underlying grids 22 and 23 was the floor of a two-story stone and brick building which was completely demolished in the fire. There is heavy machinery bolted to this pad and also in place in the building encompassed by grids 24, 25, and 26. In general, the buildings on the site pose a physical hazard, due to lack of structural integrity, to persons entering them or walking near them.

The tankers are empty with the possible exception of rainwater. Five of the seven tankers were used to contain solid and semisolid chemicals which were removed and disposed during the DER's cleanup operation in 1980. Like the buildings on the site, the structural integrity of the tankers ranges from moderate to poor and it is assumed that none of them is able to be towed over the road supportation is safe undercarriage.

The purp plit is a linerate rectangular structure greater than 15 less deep and currently back filled with soil. It is not believed that the pit is connected to the river through it historically contained a pump used to obtain process water for the rubber company's operations.

The piles of debris located at several parts of the site were formed as a result of the site characterization and contain separate categories of waste, such as: tires and shredded rubber, potentially contaminated soil, scrap metal, scrap wood, and crushed empty drums. All of these separate materials were formerly found mixed together in scattered piles across the site prior to the site characterization.

The site itself is level and essentially barren of vegetation due to excavation and grading performed during the site characterization. Vegetation was present, however, prior to those activities and it is expected to return.

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Over one hundred different organic and inorganic compounds and metals have been identified on the Wade property during the course of investigations at the site. While the sportty have been identified in surface soils many have been detected in both air and ground water samples taken from the site.

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Sampling by R.F. Weston indicated that contamination of soils on the site is widespread. Weston divided the site into approximately 60 grids and sampled for total volatile organic compounds (VOC) and total baseneutral and acid extractable (BNA) fractions of priority pollutants at four points within each grid. Their results showed contamination by VOC, BNAs, or both of the top 12 inches of soil in nearly every grid. In general, BNA fraction was present in higher concentration than the VOC fraction.

Despite the numerous investigations that have taken place on the site, the data do not easily permit generalization of the areal extent of contamination by any one compound.

Many of the compounds found on site have been associated with a variety of health effects in humans, laboratory animals, or both, when inhaled or ingested in sufficient quantities. At least six organic compounds or classes of compounds are suspect human carcinogens; benzene, chlorinated benzenes, chloroform, tetrachloroethylene, trichloroethylene, and bis(ethylhexyl phthalate). Certain metals found at the site - hexvalent chromium and arsenic - are also suspect human carcinogens. Lead is also present in the soils and ground water.

The principal conclusions to be drawn from the site investigation and endangerment assessment are:

 Based on the monitoring results, concentrations of volatile organic compounds on the Wade site do not present acute exposure hazards to persons on or off site. Although low by acute standards, concentrations of benzene found did present slighty elevated lifetime risks of cancer to persons directly on site.

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- 2. Inhalation/ingestion of contaminated soil is potentially the most serious route of exposure for persons entering or playing on the site. Under the assumptions used in the FS, lifetime risks of cancer (10-4) from inhaling/ingesting small amounts of contaminated soil on the site were higher than risks from other routes of exposure. Sampling results indicate that the concentrations of benzene found on the site are associated with risks of cancer that are 5-10 times higher than those considered as negligible. This finding applies only to persons with chronic exposures to soil on the site (i.e., children playing on the site over long periods of time). No evidence of potential acute health effects were found, a finding consistent with results of a study by the Center for Disease Control.
- 3. Persons entering the site may be exposed to toxic chemicals both in the air and in contaminated soil and are therefore the most susceptible population at risk from contaminants on the Wade Site.

4. Underground tanks and tunnels, structurally damaged buildings, and piles of flammable debris present immediate safety hazards to persons entering or playing on the site.

5. Drinking water and fish are not likely to be significant routes of exposure to chemicals from the Wade site. Ground water beneath the site is not used as a source of drinking water and concentrations of chemicals in the Delaware resulting from contaminated ground water discharge to the Delaware are estimated to be negligible.

6. Contamination on the Wade site is not expected to have a serious impact on the environment either through volatilization of chemicals to the air or release of contaminants via ground water to the Delaware River. Both releases have been estimated to be extremely low.

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In December of 1978, 37 candidates for 2024 67903 DER, which had a substant .sgiona to list 12197 110. 7÷nnsylvania of and ABM to clean up the site in 1977, de comendat The Wade Site. Maste leaking, solled, or conservice ...:sed irom drums, tanks or bener containers deal -> provide an imminent and substantial endangerment to salth and environment by the EPA. On April 20, 1999, the EPA realth and the commenced a civil action against Wade and ABM. The Court ordered them to clean up the site. The complaint was amended in March of 1980 to join Ellis Barnhouse and Frank Tyson, former presidents of ABM. When it became apparent that the current defendants were insolvent, a year long investigation of ABM's generator customers took place. After 32 generators settled for 1.6 million dollars, EPA sued the remaining 6 generators in the original slaan-up action in December of 1981. In September of 1982 the Court dismissed the injunctive relief claims against the generators and EPA then commenced a CERCLA \$107 cost recovery action which is the current basis for the action against the generators. In May of 1984, the remaining generators agreed to settle with EPA and the State. Settlement agreements are being negotiated.

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Initial Remedial Alternative Screening

Several alternatives were evaluated by Mitre, NEK, Weston, EPA and DER. Based on an initial screening, the following alternatives were rejected:

- Volatilization of volatile contaminants by excavating the soil and spreading it in thin layers and turning periodically to expose it to the atmosphere or placing the soil in windrows. This technique was rejected on the basis of low efficiency due to the small size of the site, no off-site location available, no removal of BN/A contaminants, the requirement of air monitoring, unpredictable weather conditions, and the possible requirement of mechanical aeration.
- 2. Land farming and composting, for aerobic degradation of organic contaminants. This alternative was rejected because of the possible requirement for commercially-developed mutant bacteria, the low concentrations of organic material present in the soil, required treatability studies and pilot testing, specialized equipment, long processing times, continuous monitoring and because the technique had not been proven for decontamination of soil.
- 3. Creation of a secure cell on-site, by means of an impermeable cover, continuous monitoring of ground water and possibly impermeable side walls or liner to prevent migration of contaminants away from the property boundaries. This alternative was rejected because the contaminated soil would remain in an urban area, the cell would have to be perpetually monitoried, the hydrological properties of the site are not suitable for a secure cell, the property would have to be restricted from other use and State and Federal permits may be required.
- 4. Total removal and off-site disposal of soil at a licensed, secured landfill and backfilling the site with imported soil. This alternative was rejected because site investigation shows the soil contamination is localized in discrete areas and because of the high cost of this solution.

Remedial Alternative Screening

In order to perform a detailed evaluation, it was necessary to develop a list of remedial alternatives which would include a No Action Remedial Alternative. Metcalf & Eddy developed 12 alternatives for the Wade site, based on Weston's six soil removal options. (See Table 2 for soil removal options.)

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Alternatives:

- 1. No Action
- Remove, decon & dispose of tires & tankers, remove on-site waste piles; demolish buildings, level site, fill and orade property.
- fill and grade property.
 3. Remove, decon & dispose of tires & tankers, remove on-site waste pile; demolish buildings, level site, fill and grade property, cover with asphalt cap.
- Remove, decon & dispose of tires & tankers, remove on-site waste piles; demolish buildings, level site, fill and grade property, cover with topsoil and seeded cap.
- Remove, decon & dispose of tires & tankers, remove on-site waste piles; demolish buildings, level site, fill and grade property, soil removal option 1A, cover with asphalt cap.
- Remove, decon & dispose of tires & tankers, remove on-site waste piles; demolish buildings, level site, fill and grade property, soil removal option 1A, cover with topsoil and seeded cap.
- Remove, decon & dispose of tires & tankers, remove on-site waste piles; demolish buildings, level site, fill and grade property, soil removal option 1C, cover with asphalt cap.
- Remove, decon & dispose of tires & tankers, remove on-site waste piles; demolish buildings, level site, fill and grade property, soil removal option 1C, cover with topsoil and seeded cap.
- Remove, decon & dispose of tires & tankers, remove on-site waste piles; demolish buildings, level site, fill and grade property, soil removal option 2A, cover with asphalt cap.
- 10. Remove, decon & dispose of tires & tankers, remove on-site waste piles; demolish b: ildings, level site, fill and grade property, soil removal option 2A, cover with topsoil and seeded cap.

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Table 2

Soil Excavation/Removal Remedial Alternatives

- Remove contaminated soils exceeding organic contaminant concentration of either 100 mg/kg volatile organics or 100 mg/kg base, neutral/acid organics.
 - A. Excavate to Last Contaminated Depth¹
 B. Excavate to Intermediate Depth²
 C. Excavate to Uncontaminated Depth³
- Remove soils exceeding an organic contaminant concentration of either 100 mg/kg volatile organics or 500 mg/kg base, neutral/acid organics.

A. Excavate to Last Contaminated Depth¹ B. Excavate to Intermediate Depth² C. Excava, to Uncontaminated Depth³

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- 1/ Soil removed down to depth at which last contaminated soil was found.
- 2/ Soil removed down to depth at which last contaminated sample was found if threshold level exceeded by 20 percent or less; one foot deeper than last contaminated depth if threshold level exceeded by 21 to 100 percent; and down to depth at which first uncontaminated sample was found if threshold level exceeded by greater than 100 percent.

3/ Soil removed down to depth at which first uncontaminated sample was found.

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11. Remove, decon & dispose of tires & tankers, remove on-site waste piles; demolish buildings level site, fill and grade property, soil removal option 2C, cover with asphalt cap.

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Screening Considerations:

A. Ground water

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The hydrological evaluation determined that the Delaware River is the outflow point for ground water from the Wade site. The results of the evaluation indicate that, based on all organic contaminants detected in ground water at the site, continued input of contaminated ground water to the Delaware River under the no-action alternative would not have a measurable adverse impact on water quality or biota, if contaminated soil was removed from the site. The concentrations of individual organics after mixing of ground water with both the estimated full flow and half flow of the Delaware River are all well below all applicable Ambient Water Quality Criteria and U.S. EPA Health Advisories for ingestion of toxic and carcinogenic compounds in water (Table 1). Therefore, due to the negligible impact of ground water on the off-site environment and public health, groundwater interception and withdrawal remedial actions were eliminated from further consideration.

B. Soil Excavation/Removal Remedial Alternatives

Six remedial alternative soil excavation/removal options (1A, 1B, 1C, 2A, 2B and 2C) were developed by Roy F. Weston based on either of two threshold levels of organic contaminants for defining whether the soil is contaminated (See Table 2.) One threshold level on which three of the alternatives (1A, 1B, 1C,) were based was 100 mg/kg for both the volatile and base neutral/acid (BN/A) fractions. The second, on which the remaining three (2A,2B, 2C) alternatives were based, was 100 mg/kg for the volatile fraction and 500 mg/lg for the BN/A fraction. Metcalf & Eddy reviewed the confirmed contaminated soil excavation quantities and potencially contaminated soil quantities for Options 1A, 1C, 2A and 2C, determined by R.F. Weston. A conservative approach was taken due to possible synergistic effects.

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There are currently no standards for exposure to total volatile organic (VOC) or base neutral/acid extractable (BNA) fractions in soil. The toxicity of the contaminated soil depends in part on the individual compounds present and in part on any additive or synergistic effects that the compounds may exert together. Since no compelling toxicological evidence supports a threshold of 100 mg/kg of total VOCs or BNAs versus 50 mg/kg or 150 mg/kg, it is unlikely that any meaningful distinction can be made between excavating to "clean" depth or to one foot pelow the last contaminated sample on the basis of public health impact.

In several grids, the concentration composites indicated contaminant levels greatly exceeding the set threshold levels, yet analysis of the quadrants' analytical data indicates the opposite. In other grids, this relationship was reversed. These results suggest that the sampling method may not be an accurate indicator of the extent of contamination of the whole grid. While this lack of correlation is a general problem with all the soil removal options, it suggests that making distinctions between soils that are 20%, 21-100% or greater than 100% over () threshold is not valid over d) entire quadrant. On the ba () of the toxicological issues and the sampling discrepancies, Metcalf £ Eddy concluded that soil removal options 1B and 2B are unjustified and should be excluded.

C. Remove Debris

Removal and disposal of on-site, crushed drums and contaminated soil pile(s) were included in the Removal of Debris remedial item. These had been included under the contaminated soil removal activity, however, it is more appropriate to consider them as part of removing site debris. A 50 percent swell factor was used for estimating the volume of crushed drums after loading into trucks for subsequent hauling to a final disposal site. A 15 percent swell factor was used for estimating the loading volume of soil from aboveground soil piles or excavated from the site for subsequent hauling to a final disposal site.

D. Demolish Building

Several items were added to the Demolish Buildings .emedial activity. These included the following:

 Rough grading and site leveling up to 12 inches over existing grade in order to cover any protruding subsurface structures which have not been removed.

On-site sump sampling and analysis and waste removal.

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- Underground fuel oil tank/contents removal.

- 'Underground waste chemical/solvent tank contents removal.
- Closure if interground tunnel, filling in of Duilding easements and vehicle weighing station pit. The tunnels and pit are potential reservoirs for off-site contamination.

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These items were added to the Demolish Buildings remedial activity because it would be appropriate to undertake these items during the building demolition activity. Off-site, handling quantities of building demolition debris were calculated for the following scenarios: remove all debris from site for each soil excavation option under consideration (1A, 1C, 2A, 2C). These quantities are used in the subsequent cost analysis of remedial alternatives.

The site remains a safety hazard to persons entering or playing on the site and in abandoned buildings. Despite locked gates to the site, persons from the surrounding neighborhood are known to gain access to the site.

Initial remedial activities on the site have not removed all safety hazards from the site. Two partially full underground tanks, an underground 4-foot x 4-foot tunnel beneath the main building, and structurally damaged buildings present serious physical hazards to persons gaining access to the site. The identity of compounds in the remaining underground tanks have not been established as of this writing but nevertheless the tanks themselves are at least partly accessible from the ground. Both the tanks and the tunnel may contain oxygen deficient or toxic atmospheres that increase the likelihood of accidents. The major fire at the Wade site in 1978 damaged the structural integrity of several buildings on-site, increasing the likelihood of unexpected collapse. Finally, remaining piles of debris (wood and tires) are potential fire hazards.

E. Site Capping

The results of the Endangerment Assessment for the No Action remedial alternative, as previously discussed, indicated minimal risks as a result of on-site ground water contamination. On this basis, ground water interception, withdrawal and treatment remedial alternatives were eliminated from further consideration and detailed evaluation. The site capping options range from relatively impermeable clay capping to asphalt capping to relatively permeable topsoil/seeding capping. Clay capping is the most effective of these capping options at preventing infiltration of precipitation into the unsaturated soil zone (contaminated () () () () () Precipitation has and does infiltrate the unsaturated zone on-site and recharges the ground water, but its effect on ground water does not pose significant risks as previously discussed. Therefore, it is not necessary to prevent infiltration by installing a relatively impermeable clay cap or asphalt cap on the site.

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Cost Analysis

Table 3 presents the site implementation cost and all the 12 remedial alternatives based on Metcalf a Edg's cost estimates for Site Debris Removal, Building Descliption, Site Capping and Contaminated Soil removal.

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Post Closure, Long Term Monitoring Plan

Once remedial activities have been completed on the Wade site, it is required that the site be further monitored for a period of 30 years to determine the effectiveness of the remedial activities.

The plan includes the following tasks:

1. Site Inspection:

The site inspection will include a visual inspection of surface conditions and the monitoring wells.

2. Installation of Upgradient Monitoring Wells:

Two apprediant monitoring well clusters will be instant of an off-site locations in order to monitor who water quality of the ground water before it flows under this site.

3. Water Sampling:

The purpose of this sampling is to determine ground water quality before ground water enters the site and ground water quality as it leaves the site.

4. Laboratory Analysis:

Both water and soil samples will be analyzed for priority pollutants, cyanide and TOX based upon contaminants identified in previous site sampling. After five years of sample collections, the sampling protocol will be re-evaluated to determine if certain pollutants can be targeted such that there can be a reduction in the cost of laboratory analysis without any reduction in monitoring effectiveness. TABLE 3

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REMEDIAL ALTERNATIVE COST ANALYSIS

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Remedial Alterna- tive No.	Site Debris Removal (\$)	Demolish Bldgs (\$)	Site Capping (\$)	Scil Excava- tion (\$)	Total Implemen- tation Cost (\$)
1.	0	0	0	0	0.
2.	529,029	268,745	٥	0	797,774
3.	529,029	268,745	331,930	O	1,129,704
4.	529,029	268,745	75,620	0	873,394
5.	529,029	252,750	331,930	1,191,250	2,304,959
6.	529,029	252,750	75,620	1,191,250	2,048,649
7.	529,029	243,156	331,930	1,979,755	3,083,870
8.	529,029	243,156	75,620	1,979,755	2,827,560
9.	529,029	260,871	331,930	714,530	1,836,360
10.	529, <u>0</u> 29	260,871 -	75,E2O	714,530	1,580,050
'n1 .	529,029	256,439	331,930	1,012,512	2,129,910
12.	529,029	256,439	75,620	1,012,512	1,873,600

Regional Resposibilities: Step 2) Notices of Intent to Delete--

A. SUPPORTING DOCUMENTATION FOR DELETION DOCKETS

- Remedial Investigation-Report(s)
- Feasibility_Study_Report(s)

Stapping al proposed Plan Documenter

- Copies of all RODs
- Corries of Responsiveness Summaries to all previous public
- Community Relations Plan

Responsibile Party Cleanup Horseol
Asternents between EPA and Other Perferal Agencies
Marceller Connects concerning the RP Protocol

- State and Federal orders, Consent Decrees, and other Court documents
- Task or progress reports verifying remedy implementation and proper performance
- Superfund Close Out Report or Remedial Action Report
- Description of post closure monitoring and O&M plans, including a description of State O&M responsibilities
- <u>Summary of Regional Counsel position or relevant</u>
 <u>correspondence on the deletion</u>
- Bibliography of supporting documentation

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5. Replacement of conitoring Wells:

The present three developmentions well clusters were originally constraint from galwanized pipe and it is anticipated that the wells will need to be replaced in 10 years. The two upgradient wells will be constructed with stainless steel pipe and it is anticipated that the wells will need to be replaced in 15 years. Monitoring well deterioration may result from corrosion of the pipe or screen, accumulation of silt in the well, or plugging of the screens.

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6. Well Maintenance and Rehabilitation:

A program of well maintenance and rehabilitation will be implemented every five years to insure that the monitoring wells will provide representative samples and that the surface integrity of the well has not been compromised.

7. Topsoil Maintenance:

A program of topsoil maintenance will be implemented every two years to insure that the topsoil cap completely covers the site. Periodically it may be necessary to fill in erosion channels, to add topsoil to areas where the vegetation has become sparse.

8. Mowing of Grass:

Once the topsoil cap has been constructed and it has been seeded and sodded it will be necessary to mow the new grass during the growing season. The task would be performed on a yearly basis probably during the summer months and will become a integral part of the site maintenance.

Community Relations

Public meetings were held in October 1982, July 1983, and September 1983 to discuss the remedial work performed by CECOS and the studies conducted by Roy F. Weston. Various types of media (e.g., newspaper ads, fact sheets, radio) were utilized to notify the public of these meetings. Representatives of U.S. EPA, State, local governments and the community were all well represented. Copies of reports and data were provided, with a 20 day comment period.

A public meeting to discuss the Wade site feasibility study was held at Chester City Hall on Wednesday, June 13, 1984. The meeting was conducted by the PA DER and EPA. Public officials and citizens were very interested in the future use of the site as well as the timeframe for completion of the cleanup. There were no written commants received

Recommended Alternative

Section 300.68(j) of the National Contingency Plan (NCP) [47 FR 31180, July 16, 1982] states that the appropriate extent of remedy shall be determined by the lead agency's selection of the remedial alternative which the agency determines is cost-effective (i.e., the lowest cost alternative that is technologically feasible and reliable) and which effectively mitigates and minimizes damage to and provides adequate protection of public health, welfare, and the environment. Based on our evaluation of the costeffectiveness of each of the 12 proposed alternatives, the comments received from the public, information from the Endangerment Assessment, and information from DER and Weston, we recommend that alternative 10 be implemented. This alternative includes: the removal, decontamination, and disposal of tankers, tires and debris; destruction of buildings; soil removal; leveling, filling, and grading the site, and covering with a seeded topsoil cap.

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The recommended alternative is the least cost alternative that is technically feasible and reliable, that meets the requirements of the NCP and provides for future protection of public health, welfare, and the environment. It also complies with RCRA by calling for offsite disposal of contaminated soil at a RCRA approved lined facility, and the level of cleanup was determined in a manner consistent with the RCRA methodology. In comparison with the other alternatives, alternative 10 has the following:

- Fewer monitoring requirements as a result of the topsoil cap;
- Requires less time to implement of all the soil excavation options (lowest quantity of contaminated soil requiring excavation);
- Easiest to install of the soil options due to the smaller soil excavation quantities;
- Uses relatively proven technology, i.e., contaminant source removal with proper disposal;
- More durability with a topsoil cap than asphalt due to a longer period of time that the level of effectiveness can be maintained;
- More effective than the no action remedial alternative and non source removal alternatives;
- If no action was chosen, we would still have the problem of a release occurring which would ultimately end in a ground water investigation;

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- 8. The exposure rate of most concern for the Wade Site from the standpoint of public health is inhalation/ingestion of contaminated surface soils. Further removal of soil beneath the 5 foot level (Alternative 12) would have no impact on this route of exposure, and;
- Removal of contaminated soil down to 5 feet allows for protection of human health and environment in the future.

The estimated costs for the recommended action are:

Remedial Action	<u>Est</u>	imated	Cost
Site Debris Removal	Ş	529,02	29
Demolish Buildings	Ş	260,87	11
Site Capping	\$	75,62	20
Soil Excavation	<u>\$</u>	714,53	<u>10</u>
Total Implementation Cost -	\$1	,580,09	50
Operation & Maintenance	<u>\$</u>	320,00	00
. Total =	\$1	,900,05	50

Project Schedule

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-	Approve Recor	d of	Decision	July 1984	
-	Award Contrac	t		September	1984
-	Start Constru	ctio	n	September	1984

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AGREEMENT BY AND BETWEEN THE COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

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AND

ROLLINS ENVIRONMENTAL SERVICES (FS) Inc.

AGREEMENT BY AND BETWEEN THE COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES AND

ROLLINS ENVIRONMENTAL SERVICES (FS) INC.

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This Agreement is entered into this ______ day of _____, 1986 by and between the Commonwealth of Pennsylvania, Department of Environmental Resources and Rollins Environmental Services (FS) Inc., a corporation registered in Pennsylvania and duly organized under the laws of Delaware and having its usual place of business at P. O. Box 92, Chadds Ford, Pennsylvania 19317. This Agreement is for the cleanup of hazardous and non-hazardous materials presently located on property known as the "Wade Site" located on Number One Flower Street, Chester, Pennsylvania.

ARTICLE 1

DEFINITIONS

In this Agreement and attachments, unless the context clearly indicates otherwise, the following words shall have the following meanings.

1.	Commonwealth:	The Commonwealth of Pennsylvania.
2.	Department:	The Commonwealth of Pennsylvania Department of Environmental Resources ("DER").
3.	Contractor:	Rollins Environmental Services (FS) Inc., including, but not limited to, its subcontractors, employees, agents, officers, and managers.
4.	Site:	Number One Flower Street, Chester, Pennsylvania, as more fully described in Site Property Description attached hereto as Attachment 2 and made a part hereof.
5.	Debris:	The above-grade piles of drums, rubber scrap, tires, rubble, metal scrap, and other solid waste present on the Site.
6.	Project:	To demolish all Site structures; remove and dispose of all hazardous and non-hazardous material, debris, machinery, tankers, crushed drums and their contents, tires, shredded rubber; grade and contour the Site with imported fill; cover Site with topsoil mixture; and fertilize, muleh, seed and establish final vegetative cover over the Site, all as more fully described in Article 3.
7.	Request For Proposals:	The Department's request for formal written qualifications and proposals dated July, 1986, which is

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incorporated herein by reference ("RFP").

8.	Proposal:	The Contractor's proposal for undertaking the Project, dated August 18, 1986 which is incorporated herein by reference.
9.	Notice to Proceed:	A written communication from the Department directing the Contractor to begin work on the Project.
10.	Records:	Written records of the services performed by the Contractor for work on the Project.
11.	Cleanup Director:	The person formally named by the Department in the Notice to Proceed who is on the site full time and has responsibility for the Site and for monitoring the Contractor's performance under this Agreement. The Cleanup Director may be changed during the course of this Project upon written notice by the Department to the Contractor.
12.	Supervisor:	The person named by the Contractor and approved by the Department who shall have the authority to act on behalf of the Contractor and to commit the necessary personnel, equipment, and supplies to carry out the Scope of Work. The Supervisor may be changed during the course of the Project upon written notice and approval by the Department to the Contractor.
13.	Site Representative:-	The person or persons formally named by the Department in the Notice to Proceed represents the Cleanup Director in his specific decisions on behalf of the Department. The Site Representative may be changed during the course of this Project upon written notice by the Department to the Contractor. The Site Representative shall report to the contracting officer.
14.	Contracting Officer:	The person or persons formally named by the Department in the Notice to Proceed who is authorized by the Department to make decisions affecting the Scope of Work defined in the Department's Request for Proposal including change orders and approval of invoices for payment.
15.	Scope of Work:	The statement of services presented in Article 3 of this Agreement to be performed by the Contractor and for which the Contractor shall be paid on a fixed price basis.
16.	Price:	The fixed price to be paid to the Contractor for its

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ARTICLE 2

CONTRACTOR RESPONSIBILITY, CONTRACT DOCUMENTS AND CONTRACT PERIOD

2.1 Contractor Responsibilities

The Contractor agrees to take all necessary measures to carry out the Project in accordance with the Proposal and the Scope of Work set forth in Article 3 of this contract in a timely manner upon receipt of the Notice to Proceed from the Department.

Contract Documents 2.2

The following documents are attached hereto and made part of this Agreement. In the event of any inconsistency or conflict between the terms and conditions of this contract, unless otherwise specified in the contract agreement, the following order of priority of documents is established to interpret such terms and conditions:

- Agreement by and between the Commonwealth of Pennsylvania, Department of 1. Environmental Resources and Rollins Environmental Services (FS) Inc., pages 1 - 15.
- Federal Requirements. Attachment 1. 2.
- 3. Site Property Description. Attachment 2.
- 4.
- General Conditions. Attachment 3. Record of Decision (ROD) dated August 30, 1984, relating to Description of 5. Selected Remedy. Attachment 4.
- DER RFP to Perform Clean-up at Wade Site, dated July, 1986. Attachment 5. 6.
- 7. Contractor Proposal for Wade Site Clean-up, dated August 18, 1986, and modified Proposal dated September 19, 1986. Attachment 6.
- 8. Nondiscrimination Clause. Attachment 7.
- ٩. Contractor Integrity Provisions for Commonwealth Contracts. Attachment 8.

ARTICLE 3

STATEMENT OF WORK

3.1. On-Site

- **Mobilization and Site Preparation**
- **Dismantling of Rubber Storage Silos**
- **Building and Structure Demolition and Materials Disposal**
- **Backfill and Rough Grading**
- Final Grading and Placement of Site Management Controls
- Demobilization and Project Close-out
- 3.2. Off-Site

Removal and Disposal of Tankers, Scrap Wood, and Scrap Metal

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Removal and Disposal of Crushed Drums, Tires and Shredded Rubber, and Staged Contaminated Soils

- Removal and Disposal of Contaminated Soil
- Demolition and Debris Disposal (other than masonry and concrete pads)

3.3. The parties agree that the Department's Request for Proposals defines the Scope of Work and the Proposal submitted by the Contractor in response thereto defines the Contractor's performance and both are incorporated herein.

ARTICLE 4

FACILITIES, EQUIPMENT, PERSONNEL, AND ACCESS

The Contractor shall provide the facilities, equipment, supplies, and personnel listed in the Proposal, and such other facilities, equipment, supplies and personnel as are necessary to complete the Scope of Work.

ARTICLE 5

GENERAL SECURITY

Upon its occupation of the Site, the Contractor shall secure the Site to protect it from vandalism and unauthorized entry by restricting access to and posting guards or otherwise providing security at the Site 24 hours every day, including weekends. The Contractor shall continue these measures during the course of the Project.

The Contractor shall take all proper precautions to protect persons from injury, unnecessary interference or inconvenience, and to protect the Site and neighboring properties from damage resulting from Contractor's activity. Contractor shall contact all utility companies to verify the locations of all utilities both on-site and in the vicinity of the Site before initiating work on the Project, to prevent damage to any existing utilities.

Before the Contractor initiates work on the Site, it will take whatever actions are necessary so that vehicles have unobstructed access to and from the Site from the main gate in the fence around the Site and shall maintain this access throughout the course of the Project. The Contractor shall keep this gate and the other two gates unlocked during the time work is being done on the Site and locked at all other times during the course of the Project.

The Contractor shall make its own arrangements with the appropriate utility companies to provide for power, lighting, telephone, water, refuse, and sanitary waste disposal at the Site.

ARTICLE 6

SAFETY AND EMERGENCY RESPONSE PROCEDURES

In all instances the Contractor shall be liable for any failure to exercise due care in the safe and proper performance of its activities on the Site. The Contractor shall perform its work in accordance with the technical approach and Safety Plan set forth in the

Proposal. In the event that an emergency situation arises at the Site, the Contractor shall act in accordance with the Contingency Plan contained in the Proposal.

ARTICLE 7

SITE MANAGEMENT

7.1 The Contractor shall carry out the Project in an expeditious manner and shall provide the necessary personnel to adequately supervise, monitor, and complete the Project.

7.2 The Contractor shall name a Supervisor for the Project. The Supervisor shall have the authority to act on behalf of the Contractor and commit all necessary facilities, personnel, equipment, and supplies to carry out the Scope of Work.

7.3 The Contractor shall name an Alternate Supervisor, who shall perform the duties of the Supervisor at any time the Supervisor is absent from the Site.

7.4 The Supervisor shall not be absent from the Site during working hours without prior approval by the Site Representative.

7.5 The Contractor shall employ only persons with the proper competence and experience to safely and effectively carry out the Scope of Work. If the Site Representative notifies the Contractor that the Department has determined that any person working on the Project is, in the opinion of the Department, incompetent, disorderly, or otherwise unsatisfactory, the Contractor shall discharge such person from the Project and shall not re-employ such person on the Project without receiving the prior approval of the Site Representative.

7.6 The Department shall designate a Site Representative who shall be authorized to sign daily Records for the Department and who shall be available during work hours to expedite DER approval of aspects of the Scope of Work as provided in Article 3.

7.7 The Supervisor's primary responsibilities are the management of the Contractor's activities on the Site and implementation of the Site Safety Plan set forth in the Proposal. The Site Representative's primary responsibility is to act on behalf of the Department in monitoring the activities of the Contractor, in interacting and coordinating with persons and agencies having interest in or authority over the Site, and in informing public officials, the press, and other interested persons of Site activities.

7.8 The Contractor will be permitted to work between the hours of 7:00 AM and 5:00 PM, Monday through Friday. No work shall be performed between the hours of 5:00 PM and 7:00 AM. Deviations from this work schedule require approvals of the Site Representative. The Contractor shall obtain approval of the Cleanup Director before disseminating information to the public concerning any Site activities.

ARTICLE 8

INSPECTIONS

8.1. <u>On-Site:</u>

The Contractor shall allow Department personnel and other persons designated by the Department immediate access to the Site, to collect samples of wastes on the Site, to observe and examine all operations and test procedures conducted by the contractor, or for

other purposes consistent with this Agreement. In performing such functions, Department personnel and agents shall avoid interference with the performance of work by the Contractor.

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The presence of Department personnel shall not relieve the Contractor in any way from its obligations or liability under this Agreement. If Department personnel overlook or misjudge the quality, type, or manner of any work performed by the Contractor and if the Department pays for that work, such Department actions shall not bar subsequent rejection of that work by the Department at any time prior to the final payment of compensation to the Contractor by the Commonwealth. The Department shall advise the Contractor of any errors or omissions discovered by the Department as soon as possible, and the Contractor shall correct such work in a manner satisfactory to the Department.

The Contractor shall cooperate fully with any Project evaluations performed by the Department or its representatives during the course of or subsequent to the completion of the Project for a reasonable period of time.

ARTICLE 9

MODIFICATIONS

This Contract may only be modified by written agreement of the parties hereto. Neither the Cleanup Director nor Site Representative is authorized to modify any provision of this Agreement, or in any way to relieve the Contractor from its obligations under this agreement, except for Site decisions referred in this Agreement which this Agreement has authorized the Site Representative or the Cleanup Director to make.

ARTICLE 10

RECORD KEEPING AND REPORTING

The Contractor shall maintain complete detailed, and accurate Records of the services performed by it under this Agreement, in accordance with Section 12.4 of the Request for Proposals.

The Department may audit, examine, and inspect such Records during normal business hours. The Contractor shall maintain and make these Records available to the Department upon its request for a minimum of three (3) years and a maximum of ten (10) years following the issuance of a certificate of completion.

ARTICLE 11

PERIOD OF PERFORMANCE

The Contractor shall begin work on the Project within ten (10) working days of its receipt of the Notice to Proceed issued by the Department and shall complete the Project in accordance with the Project Schedules to be worked out and mutually agreed to by the Contractor and DER in accordance with Section 13.8 of the Request for Proposals. The completion date of this Project shall not be later than seven (7) months after receipt of Notice to Proceed unless this period of performance is extended by a formally executed contract amendment.

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The Contractor and the Department agree that the time schedule for completing the Project is reasonable considering the scope of the Project and the normal elimatic conditions at the Site during the portion of the year when the Project is scheduled to occur.

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This Contract shall terminate if the Department fails to issue a Notice to Proceed to the Contractor within 120 calendar days of the signing of this Agreement unless the parties agree in writing to an extension of the time period. The Contractor agrees that if the Department is prevented from proceeding with the Project or from authorizing the Contractor to begin work on the Project for any reason, the Contractor shall not be entitled to claim damages caused by this delay.

The Department may modify the schedule in accordance with the procedures set forth in Article 9 hereof due to acts of God, causes beyond the control of the Contractor or unforeseen delays incurred due to modifications of the scope of work, public meetings, obtaining legal access to the work site as required by Article 4 hereof, or reviews, policies or procedures of the Department.

If approved delays occur, the contractor will be given equivalent time extensions to this Agreement without penalties.

ARTICLE 12

CONTRACT PRICE

The Department shall pay the Contractor a total Contract Price not to exceed \$2,966,287 for the satisfactory completion of all Phases of this Project in accordance with the contract documents. The phase sequence is the suggested order of work. The actual sequence will be that agreed to by the Site Representative and the Supervisor and noted in the minutes of construction meetings or by memorandum from the Supervisor to the Cleanup Director and the Site Representative or vice versa. These adjustments will not constitute a contract change. If a suggested change will substantially change the terms of the Contract only the Contracting Officer can authorize such a change. The Project consists of seven (7) Phases which are priced on a lump sum basis for each individual Phase.

The Contractor proposes three (3) project disposal options to DER, as follows, and as more particularly set forth in its proposal:

A. Disposal Facility Location

Rollins Environmental Services (LA) Inc. Box 73877 Baton Rouge, LA 70897 (504) 778-1234

Phase	Work To Be Prepared	RFP Section	Fixed Price
1	Mobilization	3	97,207
2	Tankers	4	116.059
3	Surface Soil & Debris	5	669,960
4	- Excavation	6	1,014,374
5	Demolition & Rough Grade	7 & 8	395,217
6	Final Grade	9	193.765
7	Demobilization	10	5,027
	Total Contract Price:		2,491,609
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Off-Site:

The Contractor must:

- A. Identify name and location of Docking Facility that will be used for Barge Loading.
- B. Obtain DER approval for use of this Docking Facility.
- C. Secure necessary Permits.

In order to observe operations, DER must be given access to both the Docking Facility for Barge Loading, as well as the Docking Facility in Baton Rouge, LA which will be used for Barge Receiving.

B. Disposal Facility Location

Fondessy Enterprises Inc. 876 Otter Creek Rd., P.O. Box 7571 Oregon, OH 43616 (419) 726-1521

Phase	<u>Work To Be Prepared</u>	RFP Section	Fixed Price
1 2 3 4 5 6	Mobilization Tankers Surface Soil & Debris Excavation Demolition & Rough Grade Final Grade	3 4 5 6 7 & 8 9	100,659 116,973 743,857 1,150,041 399,627 195,281
7	Demobilization	10	5,066
	Total Contract Price:		2,711,504

C. Disposal Facility Location

GSX Service of South Carolina, Inc. Route 1, P.O. Box 255 Pinewood, SC 29125 (803) 452-5003

<u>Phase</u>	<u>Work To Be Prepared</u>	RFP Section	Fixed Price
'n	Mobilization	3	104.804
2	Tankers	4	119,537
3	Surface Soil & Debris	5	826,719
4	Excavation	6	1,300,362
5	Demolition & Rough Grade	7 & 8	410,116
6	Final Grade	9	199,572
7,	Demobilization	10	5,177
	Total Contract Price:		2,966,287

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The parties agree that the Contractor currently can only make available Option C in performance of its obligations under this Agreement. DER and the Contractor agree that Option C is the option to be employed by the Contractor; provided however, prior to the start of Phase 4 of Option C, the Contractor shall notify the Contracting Officer in writing whether or not Options A or B are then available for Contractor's use. If, prior to the start of Phase 4, Contractor ontifies the Contracting Officer that either or both of Options A and/or B are available for Contractor's use in performance of its obligations hereunder, the Contracting Officer shall have the right to direct the Contractor to use any of the available listed options instead of Option C. If the Contracting Officer so directs the Contractor to use option listed above shall apply and the difference between the amount paid to the Contractor for completion of (1) Phases 1 through 3 under Option C and (2) Phases 1 through 3 under the alternate option directed to be used by the Contracting Officer, shall be deducted from DER's payment to Contractor for work performed under Phase 4 of the project.

ARTICLE 13

METHOD OF PAYMENT

The Contractor shall submit invoices to the Department for each individual Phase of work, in accordance with Article 12, as each respective Phase is completed in accordance with the Contract Documents and accepted by the DER Site Representative.

Invoices shall be mailed by the contractor to the following address, with a copy provided to the Site Representative.

Donald M. Becker, Contracting Officer Bureau of Waste Management Department of Environmental Resources Commonwealth of Pennsylvania 7th Floor Fulton Building P. O. Box 2063 Harrisburg, PA 17120

The Department shall make payment of each invoice within 30 days of receipt of the invoice unless there is reason to question the amount of the invoice, in which case the Department shall promptly notify the Contractor. In such case the undisputed amount shall be approved for payment.

An invoice shall include but not be limited to:

- 1. A narrative description of the work performed on each Phase of the Project.
- 2. Signed acceptance by the Site Representative that the invoiced work has been satisfactorily completed.
- 3. Documentation to demonstrate payment of Subcontractor.

ARTICLE 14

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SUBCONTRACTING AND ASSIGNMENT

The Contractor shall obtain the written authorization of the Department before

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subcontracting or assigning to any other person, governmental agency, or business organization other than those specifically identified in the Contractor's Proposal any portion of the Project, except for purchase of supplies or standard commercial or maintenance services.

The Contractor shall require any subcontractor, agent, or assignee retained by it to comply with the requirements of this Agreement and shall be as fully responsible and liable for the acts and omissions of its subcontractors, agents, or assignees, and of persons directly or indirectly employed by them, to the same extent as it is for the acts and omissions of its own personnel and employees. The Contractor shall require any foreign corporation engaged by it to undertake any portion of the Project to comply with all applicable Pennsylvania laws. In no event shall any such subcontractors, agents, or assignees be considered parties to this Agreement, except as specifically provided herein.

ARTICLE 15

INDEMNIFICATION

Notwithstanding any provision in any of the other contract documents, the Contractor shall be solely responsible for the work under the contract and shall keep, save, indemnify and hold harmless the Commonwealth and its employees from and against any and all claims, demands, suits, actions, recoveries, judgments, and costs and expenses in connection therewith on account of the loss of life, property, or injury or damage to the person, body, or property of any person, agency, corporation, or government entity, which shall arise from or result from the work and/or materials supplied by or arising out of the performance of this contract. The Contractor's liability under this contract shall continue after the termination of the contract with respect to any liability, loss, expense, or damage resulting from acts occurring prior to termination. This indemnification obligation is not limited by, but is in addition to the insurance obligation contained in this agreement. The Contractor shall not be responsible for the negligence of Commonwealth's employees for activities or actions that are not directly related to the work performed under this contract.

ARTICLE 16

CONFLICT OF INTEREST

The Contractor shall warrant that, to the best of the Contractor's knowledge and belief, there are no relevant facts or circumstances which could give rise to an organizational conflict of interest, as defined in 41 CFR 15-1.5401, or that the Contractor has disclosed all such relevant information.

The Contractor shall agree that if an actual or potential organizational conflict of interest is discovered after award, the Contractor will make full disclosure in writing to the DER. This disclosure shall include a description of actions which the Contractor has taken or proposes to take, after consultation with DER to avoid, mitigate, or neutralize the actual or potential conflict.

The DER may terminate this Contract for convenience, in whole or in part, if it deems such termination necessary to avoid an organizational conflict of interest. If the Contractor was aware of a potential organizational conflict of interest prior to award or discovered an actual or potential conflict after award and did not disclose or misrepresented relevant information to the DER, the DER may terminate the contract for default, debar the Contractor from DER contracting, or pursue such other remedies as may be permitted by law or this contract.

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The Contractor further shall agree to insert in any subcontract or consultant agreement hereunder the provisions which shall conform substantially to the language of this clause, including this Article. -1020

In addition to the requirements of the contract article entitled "Conflicts of Interest", the following provisions with regard to individual personnel performing under this contract shall apply for the duration of the contract:

The Contractor shall agree to notify the DER of any actual, apparent, or potential conflict of interest with regard to any individual. Notification of any conflict of interest shall include both organizational conflicts of interest and personal conflicts of interest (which are defined as the same types of relationships as an organizational conflict of interest, but applicable to an individual).

In the event that a personal conflict of interest appears to exist, the individual who is affected shall be disqualified from taking part in any way in the performance of the assigned work which created the conflict of interest situation.

ARTICLE 17

DEMOBILIZATION AND PROJECT COMPLETION

The Contractor must obtain written approval from the Site Representative for removal of supplies and equipment from the Site prior to completion of the Scope of Work, and this approval shall not be unreasonably withheld. The Contractor must obtain written certification from the Site Representative that the Scope of Work has been completed before it initiates complete demobilization of the Site.

ARTICLE 18

TERMINATION

Notwithstanding any provisions in any of the contract documents the Department may terminate this Agreement at any time after serving upon the Contractor a written notice of its intention to terminate this Agreement stating the ground or grounds upon which this intention is based. Unless the ground or grounds for termination involve a threat to public health or safety caused or contributed to by the Contractor, the Department will allow the Contractor at least ten (10) days in which to propose and reach agreement upon an alternative arrangement to terminating the Project satisfactory to the Department. If such an agreement cannot be reached by the parties within ten days, or such longer time as the Department may provide, this Contract shall terminate.

If the Department states in the notice of termination that the ground or grounds for termination involve a threat to public health or safety, this Agreement shall terminate immediately upon the Contractor's receipt of the written notice of intention to terminate.

The Contractor shall be paid according to the provisions of Article 12 for all work properly performed under this Agreement prior to termination.

ARTICLE 19

INSURANCE

The Contractor shall procure and maintain during the life of this Agreement adequate insurance of the types specified below, in an amount equal to or exceeding any minimum amount specified below, in a form that will protect the Contractor and the Commonwealth from all claims and liability for injury to persons and for damage to property occurring during the course of the Project and naming the Commonwealth as an additional insured:

- 19.1. Workmen's Compensation and Employer's Liability Insurance in the amounts required by law to cover all the Contractor's and its Subcontractors' personnel employed on the Project. In the event that any of the work is sublet, the Contractor shall require the subcontractor to provide Workmen's Compensation and Employer's Liability Insurance for all its employees.
- 19.2. <u>Comprehensive General Liability Insurance</u> for bodily injury and property damage in an amount not less than \$1,000,000 per occurrence. This insurance shall provide the following coverages and endorsements:
 - Premises and operations hazards;
 - b. Explosion, collapses, and underground hazards;
 - c. Products and operations hazards;
 - d. Contractual insurance; and
 - e. Broad form property damage.
- 19.3. <u>Automobile Liability Insurance</u> covering the use of all vehicles used by the Contractor, whether owned, hired, or nonowned. This insurance shall be in the amount of \$1,000,000 per occurrence for combined bodily injury and property damage liability.
- 19.4. <u>Excess Liability Insurance</u> covering bodily injury and property damage in excess of the coverage provided by its Comprehensive General and Automobile Liability Insurance in an amount of \$1,000,000 in the aggregate.

The Contractor shall obtain all insurance from companies licensed to write such insurance in the Commonwealth. All policies shall be written so that the Department will be notified in writing of their cancellation or restrictive amendment at least thirty (30) days prior to the effective date of such cancellation or amendment.

Certificates from the Contractor's insurance carriers stating the coverage provided, the limits of liability, and expiration dates shall be submitted to the Department before work on the Project is begun. Insurance renewal certificates must be furnished to the Department by the Contractor at least twenty (20) days prior to the expiration date of any of the initial insurance.

ARTICLE 20

BONDING

None of the insurance required by this Agreement shall in any way relieve the Contractor of or diminish any of its obligations and liabilities under this Agreement.

20.1. The Contractor, within ten (10) days of the "Notice to Proceed" commencing the term of this Contract, shall furnish the Department with the following bonds:

a. A performance bond in the amount of 100 percent of the Contract price conditioned upon the Contractor's satisfactory performance of all services, covenants, terms and conditions of this Contract and further conditioned upon the completed work at the Site remaining free from all defects, due to faulty materials, equipment or workmanship, and upon Contractor's making whatever adjustments or corrections are necessary to cure any such defects for one (1) year following the completion of this project.

- b. A labor and materials payment bond in the amount of 100 percent of the contract price, conditioned upon the Contractor and its subcontractors making prompt payment to all persons supplying labor, materials and transport and disposal services in the prosecution of the services required hereunder.
- 20.2. Bonds required under this Section shall be executed by the Contractor and a corporate bonding company which is:
 - . a. Licensed to transact such business in the Commonwealth; and
 - b. Certified by the Department as an acceptable surety on Bonds.

Forthwith upon notice, the Contractor shall give the Department written notice of the following: the initiation of bankruptcy proceedings involving the surety; the loss of a surety's right to do business in the Commonwealth; or the termination of the surety's certificate of authority as an acceptable surety on bonds. In such event, the Department reserves the right to require the Contractor to substitute another bond or bonds in such form and sum and signed by such other surety or sureties it deems necessary.

20.3. None of the bond requirements of this Agreement shall in any way relieve the Contractor of or diminish any of its obligations and liabilities under this Agreement.

ARTICLE 21

REPORT OF CONTRIBUTIONS

Contractor will comply with Section 1605.1(a) of the Pennsylvania Election Code, which provides as follows:

(a) Any business entity, including but not limited to a corporation, company, association, partnership, or sole proprietorship, which has been awarded nonbid contracts from the Commonwealth and its political subdivisions during the

- 13 -

preceding calendar year, shall report by February 15 to the Secretary of the Commonwealth an itemized list of all political contributions known to the business entity by virtue of the knowledge possessed by every officer, director, associate, partner, limited partner or individual owner that has been made by (1) any officer, director, associate partner, limited partner, individual owner, or members of their immediate family, and (2) any employee or members of his immediate family whose political contribution exceeded one thousand dollars (\$1,000) during the preceding year. For the purpose of this subsection, "immediate family" means a person's spouse and any unemancipated child. as in the s

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ARTICLE 22

DISPUTE RESOLUTION

Any dispute which arises under this Contract shall in the first instance be the subject of informal negotiations between the Site Representative and the Supervisor. If the Site Representative and the Supervisor cannot resolve the dispute within seven (7) days from the time the dispute arises it shall be presented to the Bureau of Waste Management's representative for appropriate resolution upon written notice by the Contractor. The period for dispute negotiations may be extended by mutual agreement of the Bureau of Waste Management and the Contractor. The decision of the Department shall be final subject to the General Conditions (Attachment 3) entitled Disputes.

ARTICLE 23

HEADINGS

Headings herein are for reference purposes only and are not intended to be used in the interpretation of the terms and conditions of this Agreement.

- 14 -
ARTICLE 24

SIGNATURES

IN WITNESS WHEREOF, the parties hereto have set their hands and seals the day and year first written, intending to be legally bound hereby.

ATTEST: (CORPORATE SEAL)

Secretary/Treasure

(Cross out one)

ATTEST:

Approved as to legality and form:

Office of Attorney General

بيد مادرو برور

Chief/Assistant Counsel, DER

I hereby certify that funds in the amount of are available under Appropriation

F. di. Comptroller

001.035.306.26.3.5300.33134.310=#2,014,527 101.035.753.26.7.3300.33137.310-4 751,760 12,966,207

ROLLINS ENVIRONMENTAL SERVICES (ES) INC.

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ŝ BY: xPresident/Vice-President

(Cross out one)

Fed. I.D. # 51-0274818

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Deputy Secretary for Administration APPROVED:

.....

Secretary of Budget and Administration

December 23, 1986

717-737-9071

Rollins Environmental Services (FS), Inc. Attention: Charles Swinburn, Vice President Chadds Ford Business Campus P. O. Box 92 Chadds Ford, PA 19317

Dear Mr. Swinburn:

I am pleased to enclose two executed copies of the contract between the Commonwealth of Pennsylvania, Department of Environmental Resources, and Rollins Environmental Services (FS), Inc., for the cleanup of hazardous and non-hazardous materials presently located on property known as the "Wade Site" located at Number One Flower Street, Chester, Pennsylvania. Please accept this letter as a Notice to Proceed, as called for in the December 23, 1986 contract. Implementation of the terms and conditions of the contract must begin within ten (10) working days from receipt of this letter.

It is important that all project activities be well coordinated to ensure smooth implementation of construction. Therefore, Rollins should hold a project "start-up" meeting, as soon as possible, with DER and Weston Project Management staff to establish an initial working relationship and discuss various project management issues. Arrangements for this meeting shauld be made by contacting Robert Allen, DER's 5ite Representative, located at Ridley Creek's "District Office; Ridley Creek State Park, Sycamore Mills Road, Media, Pennsylvania 19063, Telephone 215-565-1687, and John Claypoole, Cleanup Director with Roy F. Weston, Inc., located at Weston Way, West Chester, Pennsylvania 1930, Telephone 215-692-3030.

All project invoices are to be sent to Donald M. Becker, Contracting Officar, P. O. Box 2063, Harrisburg, Pennsylvania 17120, Telephone 717-733-7816, and must contain, as a minimum, the information contained on the attached mock invoice. It is important to note that the language used in the contract to identify and describe Tasks and Work Products must also be used in completing the invoice. This should help to avoid delays in processing the invoices. As a final note, the personnal changes proposed in your December 9, 1986 letter to Mr. Donald Recker of my stuff are acceptable as proposed.

We are looking forward to working closely with your staff to ensure the successful and timely completion of this project. Should you or your project staff need further clarification of any issues associated with this contract, please contact Mr. Donald Decker at 717-733-7316.

Sincerely,

James P. Snyder Assistant Director Bureau of Waste Management

Enclosure

July 27, 1937

717-727-9071

Richard A. Jaffe, Director Governmental Services and Contract Administration Rollins Environmental Services (FS); Inc. One Rollins Plaza P.C. Box 2349 Wilmington, DE 19399

Dear Mr. Jaffet

Enclosed is a fully executed copy of Amendment No. 1 to Contact ME \$6311 between Rollins Environmental Services (FS), Inc. and the Department of Environmental Resources. This amendment will allow for a time extension of the existing contract until December 31, 1927.

Since the Wade site is now fully cleaned up, the entirety of all out-of-scope work is known. It is now time to meet and discuss these remaining issues. My office will be contacting you shortly to arrange for such a meeting. Prior to our meeting, please submit all final cost estimates for all work done outside of the original contract to me for review. If you have any questions, please contact me at 717-737-9871.

Sincerely,

Kim Dekona Administrative Assistant Bureau of Waste Management

Enclosure cc: Ms. Dekona Mr. Snyder Ms. Miller Mr. Becker Mr. Pieper Mr. Allen Mr. Johnson Mr. Claypool File Chron. File

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AMENDMENT NO. 1

TO AGREEMENT BETWEEN

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

AND

ROLLINS ENVIRONMENTAL SERVICES, (FS) INC.

THIS AGREEMENT, made this l_{4} day of _______, 1987, by and between the Pennsylvania Department of Environmental Resources, hereinafter referred to as "DEPARTMENT" and Rollins Environmental Services (FS) inc., P.O. Box 92, Chadds Ford, Pennsylvania 19317, hereinafter referred to as "CONTRACTOR."

WHEREAS, the DEPARTMENT entered into an agreement with the CONTRACTOR on December 22, 1986 to provide cleanup of hazardous and non-hazardous materials presently located on property known as the "Wade Site" located on Number One Flower Street, Chester, Pennsylvania.

WHEREAS, the cleanup services to be provided pursuant to the terms and conditions of the aforesaid Agreement shall be required beyond the termination date specified therein.

WHEREAS, this time extension is required due to factors beyond the control of the DEPARTMENT and the CONTRACTOR.

NOW, THEREFORE, the parties hereto, intending to be legally bound hereby, agree as follows:

1. The termination date of the Agreement is extended from July 24, 1987 to December 31, 1987.

2. No additional funds shall be required for this time extension.

3. All other terms and conditions of the Agreement which are not modified by this Amendment remain in full force and effect.

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IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals the day and year above written.

ATTEST:

Secretary APresident (Cross out one)

ROLLINS ENVIRONMENTAL SERVICES, (FS) INC.

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President/Vice-President (Cross out one)

COMMONWEALTH OF PENNSYLVANIA

Federal I.D. No. _____51-022-8924

ATTEST:

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DEPARTMENT OF ENVIRONMENTAL RESOURCES

Title

APPROVED AS TO LEGALITY AND FORM: 213 Bell 9

ffice of Attorney General

Consel lin Chief/Assistant Counsel Department of Environmental Resources

ME 8: 10.

I hereby certify that funds in the amount of -0are available under Appropriation 001-035-306-86-3-3300-33139-310001-035-753-86-7-3300-33139-310

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AMENDMENT NO. 2 TO AGREEMENT BETWEEN PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES AND ROLLINS ENVIRONMENTAL SERVICES (FS), INC.

THIS AGREEMENT, made this ______ day of ______, 1987, by and between the Pennsylvania Department of Environmental Resources hereinafter referred to as "DEPARTMENT" and Rollins Environmental Services (FS), Inc., P.O. Box 92, Chadds Ford, Pennsylvania 19317, hereinafter referred to as "CONTRACTOR."

WHEREAS, the DEPARTMENT entered into an agreement with the CONTRACTOR on December 22, 1986, to provide clean up of hazardous and non-hazardous materials located on property known as the "Wade Site" located on Number One Flower Street, Chester, Pennsylvania.

WHEREAS, the DEPARTMENT and the CONTRACTOR agreed to and executed Amendment No. 1 to the original agreement whereby the termination date of the said agreement was extended from July 24, 1987, to December 31, 1987, and

WHEREAS, the original agreement provided for cleanup of hazardous and nonhazardous materials, and

WHEREAS, it is necessary for the CONTRACTOR to provide additional cleanup activities not specified in the scope of work of the original agreement, due to unforseen site conditions and additional hazardous and non-hazardous materials found on the Wade Site, and

WHEREAS, the DEPARTMENT and the CONTRACTOR have agreed upon a price to be paid to CONTRACTOR to provide these additional professional services.

NOW, THEREFORE, the parties hereto, intending to be legally bound hereby, agree and covenant as follows:

 CONTRACTOR agrees to perform the following additional services related to materials cleanup at the Wade Site:

-	Removal and disposal of PCB capacitors	\$ 4,065.43
-	Sorting scrap from Grid 41	\$ 15,785.52
~	Tanker cutting and removal of residual solids	\$ 5,908.83
-	PCB analyses	\$ 529.38
-	Disposal of gas cylinders	\$ 1,776.24
-	Closure of Underground Storage Tank	\$ 55,025.81
-	Removal and disposal of industrial sludge	\$ 10,136.01

 DEPARTMENT agrees to pay CONTRACTOR an additional amount not to exceed \$93,227.22 for such services. DEPARTMENT shall reimburse the CONTRACTOR upon receipt of invoices for the additional cleanup performed. 000646 3. The maximum amount of the agreement is increased from \$2,966,287 to \$3,059,514.22.

4. All other terms and conditions of the agreement which are not specifically modified by this amendment shall remain in full force and effect.

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	IN WITNESS WHEREOF, the par seals the day and year above written. ATTEST (Corporate Seal) BY:	BY: <u>Header</u> Statum <u>President</u> /Vice President (Cross out one)
	ATTEST	COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
1	APPROVED AS TO LEGALITY AND FORM	Deputy Secretary for Environmental Protection APPROVED:
•	Chief/Assistant Counsel Department of Environmental Resources	Secretary, Office of the Budget
4	Office of Attorney General	Date
	I hereby certify that funds in the amount of are available under Appropriation	
	Comptroller Date	

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Ŵ APPENDIX C SCHEDULES AND REQUESTS FOR PROGRESSIVE SEQUENC ING ļ 000649

WESTON WAY WEST CHESTER, PA 19380 PHONE: 215-692-3030 TELEX: 63-5348

16 January 1987

institute

Mr. Fred Klotzbach Rollins Environmental Services (FS), Inc. P.O. Box 92 Chadds Ford, PA 19317

Dear Fred:

The purpose of this letter is to confirm the understanding we reached yesterday regarding schedule modifications, relative to Phase I of the Wade Site Cleanup. Your plan for performing the site survey work after the removal of debris and soil piles is acceptable. However, it is important to note that the RFQ/P specified a sequential execution of the work without overlap of Phases. WESTON has developed a Phase I checklist based upon the requirements of the RFQ/P and the RES(FS), Inc. proposal (similar checklists will be developed for subsequent phases). A copy of the checklist is enclosed for your information. It is our position that payment for Phase I will not be authorized until all of the items on the checklist (including site survey) have been completed.

Additionally, I would like to mention that I will need your revised project schedule in the near future. Specifically, WESTON and the DER are requesting the revised schedule on or by 16 January 1987. Your proposal and plans for executing Phases IV and V in an overlapping manner should be submitted by 30 January 1987 or by the end of Phase II, whichever comes first.

One final item that I would like to address is the electrical substation and PCB capacitors staged on-site. I have currently authorized you to pack the leaking PCB capacitors in DOT approved drums with absorbent packing. Please submit a written proposal (or a change order form) for evaluating the electrical substation for the presence of PCB dielectric. The proposal should also address the plans and costs associated with the authorized

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Mr. Fred Klotzbach Rollins Environmental Services, Inc.

14 January 1987 Page 2

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containerization and subsequent transportation and disposal at a permitted PCB facility. Please submit your proposal by 23 January 1986.

Sincerely,

ROY F. WESTON, INC JORY ALL TOOL THINK

Project Engineer

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- cc: R. Pease

 - C. Carleo S. Egnaczyk R. Allen (PA DER) D. Becker (PA DER)

Rollins Environmental Services (FS) Inc.

Chuads Ford Burness Campus, P.O. Box 92, Chuads Ford FA 19317 12151 358-5650

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January 19, 1987

Mr. John Claypool Roy F. Weston, Inc Weston Way West Chester, FA 19380

RE: Wade Site, Chester, PA

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Dear Mr. Claypool:

The following is our proposed work schedule for this project:

Phase	Task	<u>Days</u>	Time Period (1987)
1	Mobilization	7	Jan. 8 - Jan. 16
2	Tankers, Metal & Wood Removal	16	Jan. 19 - Feb. 9
3	Tires, Drums & Surface Soil Removal	34	Feb. 10 - Mar. 30
4	Subsurface soil Removal	22 *	Mar. 31 - Apr. 30
5	Bldg. Demolition & Rough Grading	13 *	Apr. 13 - Apr. 30
6	Final Grading & Erosion Control	25	May 1 - June 5
7	Demobilization	5	June 8 - June 12

* 13 Day Overlap

Written notification will be provided for any variances to this schedule.

Sincerely, Frederick J. Klotzbach, Jr

Senior Project Manager

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cc: Donald Becker, PADER Robert Allen, PADER Robert Pease, Weston R. Jaffe, RES(FS) 000652

 \widehat{R} Rollins



WESTON WAY WEST CHESTER, PA 19380 PHONE: 215-692-3030 TELEX: 63-5348

19 January 1987

Mr. Fred Klotzbach Rollins Environmental Services(FS), Inc. P. O. Box 92 Chadds Ford, PA 19317 W. O. #0739-26-03

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Dear Fred,

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As we discussed yesterday evening, there are several tasks in Phase I which have yet to be completed. These include:

- An industrial hygiene technician must be on site full time,
- 2) The work zones must be delineated,
- 3) A decontamination zone must be constructed.

Additionally, while checking the specifications, I found that two rounds of 8 hour background ambient air monitoring samples are required. To date, one round of four hour samples has been collected. There are a number of items in Phase I which have been begun or for which equipment has been ordered, including:

- 1) Construction of truck scales,
- 2) Repairs to the perimeter fence,
- 3) Sediment barrier at the site perimeter.

I am concerned that a substantial amount of the Phase II work has been initiated despite the uncompleted status of Phase I. The overlapping of phases is not in conformance with the requirements of the RFQ/P nor of the contract between the PA DER and RES(FS), Inc. The overlapping of Phases I and II has been discussed with the Site Representative, Mr. Robert Allen and Mr. Donald Becker, the DER contracting officer for this project. We concur that the overlapping is not in conformance with the above mentioned documents. Consequently, you are formally directed to expedite work on Phase I prior to performing any more Phase II tasks until:

Mr. Fred Klotzbach Rollins Environmental Services(FS), Inc.

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16 January 1987 Page 2

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- 1) All of the tasks associated with Phase I have been completed to the satisfaction of the Clean-up Director and the Site Representative, or;
- 2) A letter requesting a variance for various tasks requiring a delay has been submitted to the Clean-up Director and approved by the Contracting Officer.

One additional matter that I would like to discuss is the question you and Mr. Paul Thomas of RES (DE), Inc. raised regarding the frequency of collection for air monitoring samples. I understand that your interpretation is that daily samples will be collected during activities involving handling of hazardous materials (Phases III and IV). My interpretation is that air monitoring is required on a daily basis for the duration of the work. Section 13.10.3 states, "Active monitoring shall be conducted . . . at all times during construction activity at the site". Additionally, Section 13.10.2 of the RES(FS), Inc. proposal states, "Ambient air quality will be monitored during all site clean-up work".

The agreement we reached during our evening meeting on January 15, 1987 is acceptable to me and I will discuss it with the Contract officer. We agreed that air monitoring for volatile organics will be performed until the completion of all hazardous material work (through the end of Phase IV) and that monitoring for airborne particulates will be performed through the completion of demolition work (Phase V). Air samples will be collected daily from three of the air monitoring stations which have been designated. Additionally, the specifications require that a daily duplicate be obtained from one of the three daily stations.

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Mr. Fred Klotzbach Rollins Environmental Services(FS), Inc.

16 January 1987 Page 3

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I believe our position is clear on these matters. If you feel that the positions described in this letter are not accurate, I would recommend that we set up a conference call among the interested parties to discuss them.

Sincerely,

ROY F. WESTON, INC.

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Project Engineer Wade Site Clean-up Director

JEC:lme

cc: R. Pease S. Egnaczyk . C. Carleo

R. Allen (PADER) D. Becker (PADER) M. Mellinger (RES)

Note: A handwritten version of this letter was delivered to F. Klotzbach on January 15, 1987.

Rollins Environmental Services (FS) Inc.

MEMORANDUM

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TO: Robert Allen, - Site representative, PADER John Claypool - Clean-up director, Weston

FROM: Fred Klotzbach, Jr. - Supervisor, RES(FS)

SUBJECT: REQUEST FOR PROGRESSIVE SEQUENCING OF PHASE 5 DEMOLITION WORK

DATE: January 31, 1987

Agreement by and between the Commonwealth of Pennsylvania REFERENCE A: Department of Environmental Resources and Rollins Environmental Services, RES(FS), Inc. Dated December 22, 1986.

In accordance with Article 12 of Reference A, Paragraph 1, RES(FS) is requesting that it be permitted to perform portions of the Phase 5 demolition work during Phases 2 through 5, inclusive. The following specific reasons are sited for this request:

- a. RES(FS) has an obligation to perform in an expeditious and professional manner in accordance with Article 7.1 of Reference A and has acknowledged in Article 2, Paragraph 2 that the work can be performed under the normal climatic conditions at the site during this winter portion of the year. We have experienced some early severe snowfalls, one after the other with more in the forecast. The demolition work is not as severely effected by weather as other phases and would enable RES(FS) to continue to meet its schedule.
- b. The clearing of structures will make it easier for RES(FS) to complete components of other phases of work in a more expeditious manner. The site has very little "clean" area for stockpiling non-contaminated rubber, steel and debris prior to its being shipped off site and for placing construction facilities and equipment.
- c. Using the demolition phase work during Phases 2 through 4 would enable RES(FS) to utilize non-productive time for personnel and equipment normally encountered in the course of scheduled work for productive purposes.
- d. RES(FS) believes that the request is covered by the terms and conditions of the contract.

Rollins Environmental Services (FS) Inc.

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RES(FS) has submitted a Health and Safety plan for Phase 5 work to be completed during Phases 2 through 5 and Phase 5 exclusively.

We look forward to your earliest reply.

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cc: R. Jaffe R. Pease D. Becker

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WESTON WAY WEST CHESTER, PA 19380 PHONE: 215-692-3030 TELEX: 83-5348

9 February 1987

Mr. Fred Klotzbach Rollins Environmental Services(FS), Inc. P.O. Box 92 Chadds Ford, PA 19317

Dear Fred:

I have had several conversations with Rob Allen, Don Backer and Bob Pease regarding your request for "progressive sequencing" of Phase 5 activities. Your letter provided us primarily with the reasons you feel that progressive execution of Phase 5 during Phases 2 through 4 was appropriate and necessary. In order for us to thoroughly evaluate your request, a detailed written proposal describing your technical approach is needed. Your technical approach should address, at a minimum, the following items:

- List of the equipment to be used for the demolition work, if it differs from the equipment specified in the RES(FS) proposal;
- A plan for performing the demolition work in a logical sequence of tasks; tasks should be of a duration approximating the anticipated periods of downtime;
- If demolition activities are planned when activities associated with other phases are underway, a detailed description of how personnel not associated with demolition work are kept clear and accounted for;
- Delineate on a site plan where the demolition rubble will be staged.

Please consider the following factors when developing your approach for progressive execution of Phase 5. As you are aware, four large electrical capacitors were recently discovered in a metal building adjacent to the main shredder room. Additionally, we both inspected the main electrical panel for the shredder equipment and observed a heavy oil coating on much of the

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Rollins Environmental Services(FS), Inc. 9 February 1987 Page 2

switchgear. We have discussed the likelihood of PCB contamination in these areas. In light of these findings, demolition work in these areas will not be permitted to proceed until the presence or absence of PCB has been determined.

The safety plan you have submitted to me is currently under review. I expect to provide you with my comments on the plan in the next week.

Very truly yours,

ROY F. WESTON, INC.

John E. Claypool, Jr. Project Engineer

JEC:1me

cc: Bob Pease Chris Carleo Steve Egnaczyk Rob Allen (PADER) Don Becker (PADER)

MEMORANDUM

- TO: John Claypool Weston
- FROM: Fred Klotzbach RES(FS)
 - RE: PROGRESSIVE SEQUENCING OF PHASE 5 WORK
- DATE: February 11, 1987
- REFERENCE A: Weston February 9, 1987 letter concerning progressive sequencing of Phase 5

In reply to Reference A the following submittal is made:

- Concerning listed equipment in Section 3.2 of our original proposal, we are proposing to utilize a 225 hydraulic excavator with bucket (or equivalent) and a 235 CAT with 52¹ demolition boom and 225 ton shear in place of the American 5300 crane with pear ball and clamshell. All other equipment for taking down masonary walls, etc. remains the same including bucket loaders, bobcats, pneumatic tools, hand wrecking bars, etc.
- 2. The sequence of tasks will be performed in the exact opposite direction from that originally proposed. This will allow the least number of personnel not associated with demolition to be kept clear of the work area. Refer to the attached demolition zone delineation drawing for area identification.
 - Area A Elevator shaft will be left intact until the 235 CAT is on site (During Zone H & I work).
 - Area B During times the tire shredding operations are temporarily halted, the area will be cleared of personnel and masonary walls and collapsed wooden roof removed. Debris will be staged in the southern part of Grid 5.
 - Area C Area C is basically demolished and to the north will be used for rubber storage prior to washing. The southern area will be used for rubble storage.
 - Area D Is the east and south walls of the crushed drum and tire/ shredded rubber piles which have been moved forward into Grids 38 and 39. Since no one would be working in this area after the drums are shipped, this area could be knocked down and stockpiled in Grid 6 as time allows.

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Area E - Would be next. Again, no one would be working in this area at any time except for demolition. This area could be knocked down and stockpiled in Grids 6 & 7 with the roof being placed in Grid 41. This area could be worked as time allows.

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- Area F The wood roof will be placed in Grid 41 after removal. Steel and vessels will be placed in Grid 23 for later shipment. Masonary work will be pushed into Grid 8. This work will be performed after excavation and emptying of the underground tank. Again, no other work will be occurring in the immediate vicinity of this work when it is being performed.
- Area G The steel work on the ground will be pushed aside to await the 235 CAT shear.
- Area I This area demolition will be performed with the CAT 235 shear. All excavation work south of this area should be complete prior to start of this work. If it hasn't been, this work will not be performed when dump trucks for secure chemical off site disposal are being loaded. Rubble will be staged in Grids 8 and 24. The tire shredding operation should be completed and the Area A elevator shaft will be taken down with the shear and the rubble pushed back into Grid 6.
- Area H This area will not be demolished until it is confirmed that there is no PCB contamination present. The structural steel will be taken down with the shear and piled in Area 26 for off site removal.

The sequencing may involve Area D being performed first and then B or E depending on down time encountered during tire shredding.

As it would appear that most of the demolition work will occur while the southern and northern parts of the site are being excavated (Phase 4 work) there should not be any time where the two phases will "impact" each other.

3. As indicated in 2 above, there should never be demolition work and either Phase 3 or Phase 4 work being performed in adjacent grids simultaneously. In addition, demolition work will not occur during loading out operations (when other than RES(FS) personnel would be in the contaminated zone) in Phase 3. This is because the demolition equipment will be utilized for load out. The area I work would not be performed when trucks are being loaded out for secure chemical off site disposal because again with the exception of the CAT 235 shear, the same equipment is being utilized. Basically the only time demolition work will be performed is when only RES(FS) work personnel are on site. At the daily safety meeting the area of demolition will be explained and the area put off limits to all but the demolition equipment operators and foreman. Before any masonary structures or roofs are knocked down, the foreman will ensure that both sides of the structure are clear. The foreman will also ensure that only small sections of masonary are taken down versus an entire wall which may topple some other structure.

4. Rubble staging is addressed in 2 above.

FJK/leb

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Attachment

cc: R. Jaffe

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MEMORANDUM

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TO: John Claypool - Weston FROM: Fred Klotzbach - RES(FS) η

RE: TIME SCHEDULE

DATE: 12 February 1987

Attached is the bar chart time schedule. This chart is a graphic presentation of my January 19, 1987 written schedule.

FJK/leb Attachment cc: R. Jaffe

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(RES)FS WADE SITE, Chester, PA

WHIII)

PHASE 4: Soil Excavation

Locate/Seal Water Line Berm Construction Around Excavations Scrape Surface Soils & Remove Excavate Soils & Remove Coilect Contaminated Liquids (Rain, Sumps, Etc.)

PHASE 5: Building Demolition

Disconnect Utilities Clear All Debris from Buildings (Machinery, etc.) Remove Roofs, Partitions, Wood Buildings, Etc. Demolish Concrete, Masonary Walls & Backfill Excavations Concrete Core Drill Concrete Pads Backfill W/sand Basements Backfill w/sand Basements Remove Shredded Rubber Silos Sample & Remove Sediment from Erosion Controls Establish Grades for Rough Grading

Grading Analyze Fill Rough Grade Entire Site Rough Topographic Survey

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Turn Site Over to PADER

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D.

Trailers, etc.

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WESTON WAY WEST CHESTER, PA 19380 PHONE: 215-692-3030 TELEX: 83-5348

23 February 1987

Mr. Fred Klotzbach Rollins Environmental Services(FS), Inc. P.O. Box 52 Chadds Ford, Pennsylvania W.O. #0739-26-03

Dear Fred:

The purpose of this letter is to confirm the discussions and understandings reached this week with regards to the RES request for progressive sequencing of the Phase 5 work at the Wade Site in Chester, PA. Both WESTON and the DER have reviewed your request, the detailed technical approach and the Phase 5 safety plan. We have found your technical approach to be adequate. However, we would like to note that your approach specifies that large walls will be demolished only when RES personnel are on-site. It is assumed that the Cleanup Director, the Site Representative, the industrial hygiene technician and the guard in the guard trailer will also be allowed on-site during demolition work.

A second point regarding the technical approach is that you have proposed to use a 225 hydraulic excavator (backhoe) in place of the crane and ball. This is acceptable, however, we believe that high masonary walls (such as in areas B&D) should be pushed away from the excavator wherever possible. This is highly desirable to avoid the possibility of damage to the excavator and/or injury to the operator. Walls that have been reduced to a manageable height of 10-15 feet can be pulled towards the excavator. It is also preferable to push the masonary walls in Areas B and D into the building to avert the possibility of damaging the fence and structures along the PECo property line.

We have several comments regarding the Phase 5 safety plan that should be addressed before the demolition work proceeds. These comments are as follows:

1. Please fill in the names of the individuals who will be participating in the work and obtain their signatures in the appropriate sections of the plan.

Mr. Fred Klotzbach Rollins Environmental Services(FS), Inc. 23 February 1987 Page 2 w Lynned (Sarth

- 2. Asbestos removal work must be performed in strict accordance with Final OSHA rules in 29 CFR parts 1910 and 1926. Specifically the rule requires (among other things) that workers involved in asbestos removal utilize powered air purifying respirators or full face APRs. If full face AFRs are used, the workers must have passed a quantitative fit test.
- 3. Please notify WESTON at least 2 days in advance of any asbestos removal work.
- 4. Asbestos and PCBs should be added to the list of hazardous materials expected on-site. The nature of the hazards and procedures for monitoring for these substances should be described.
- 5. Procedures for clearing the work area prior to demolishing any high structures or walls should be described. A responsible individual such as a foreman should continuously observe this work. This individual should be provided with an air horn to signal "stop work" or "emergency". These signals should be practiced as a drill prior to any demolition of high structures or walls.

This letter constitutes conditional approval of the RES plan to progressively execute the Phase 5 demolition work at the Wade Site. You are authorized to proceed with this work after the required changes to the safety plan have been completed.

Very truly yours,

ROY F. WESTON, INC.

John E. Claypool Jr. Project Engineer

JEC:1me cc: D. Becker (PADER) B. Pease C. Carleo

R. Allen (PADER) S. Eganczyk

., 3 WESTEEN Sec. 1 APPENDIX D DAILY REPORTS Ŀ 000670

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COMMENTS/PROBLEMS/AGRI Decos will be TEST DATA: (List Hem(s) here an Data on instal due on 11:5/8.7. VISITORS: (Time, Representing, B: Boyd, C. Kurt David Damas - 2	EEMENTS MADE: <u>finished</u> by be; drecord details on appropriate Di C <u>monitar</u> : as <u>Has yot bec</u> p <u>Comments</u>	lest dala sheel.) Somples taken 1/14/82 Conidad. DADER - Risley Creeks - Surreyer - 1120 hrs.	by P. Thomas IIIS here.

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ATE: 17 Jan 1987 John Clayport OCATION: Wade Site - Chester, PA.	CONTRACTORS SUPERVISOR: F. Klotzback WEATHER & TEMPERATURE: SUDDY - 35-40'	4
JOB NO: 0239 - 26-03	Lt. Winds	
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- Continued brilding persona	1 Laborers	3
decon zone - Rectand floor	Buard	
sastinuted.		
· · · · · · · · · · · · · · · · · · ·		
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
1 1 1		
Buard Service	lumber for decan 2	مر جه
Buard Service	lumber for decan 2	مد محد
Buard Service	lamber for dased 2	<u></u>
COMMENTS/PROBLEMS/AGREEMENTS MADE:	lumber for desail 2	210/N-590
Buard Service COMMENTS/PROBLEMS/AGREEMENTS MADE: - disc arces an makrend press - truck decen ped leaking co	Imper for dassad 2 These at condinate E- issate cate grands	210/N-990
Buard Service COMMENTS/PROBLEMS/AGREEMENTS MADE: - discorred an mathema part - truck decen and leaking co	lumber for desaid 2 these at condinate E-1 nisate at prants	210/N-990
Buard Service COMMENTS/PROBLEMS/AGREEMENTS MADE: - discorred an maknews part - truck decen ped leaking co	Immber for decad 2 there at condinate E- pisate cato grama.	210/N-990
Buard Service COMMENTS/PROBLEMS/AGREEMENTS MADE: = discorreged and makness prece = truck decen and leaking co	lumber Br dassad 2 shale at condinate E-1 sisate ante grande	210/N-590
Buard Service COMMENTS/PROBLEMS/AGREEMENTS MADE: - discorred and matricul gave - truck decen ped leaking co	Imper for decand 2 hole at courdinate E-1 issate cato gramme.	210/N-990
Buard Service COMMENTS/PROBLEMS/AGREEMENTS MADE: - discorred an maknews part - times decen pad leaking co	Immber Brdand 2 shole at condinate E- issate cate grammer	210/N-990
Buard Service COMMENTS/PROBLEMS/AGREEMENTS MADE: - disc arces an taken pret - truck decen ped leaking co FEST DATA: (List liem(s) here and record details on appropri-	lumber Brdacad 2 1hole at conclinate E - 1 iscate cate promo	210/N-590
Buard Service COMMENTS/PROBLEMS/AGREEMENTS MADE: - disc contract and makrenic part - truck decen ped leaking co FEST DATA: (List ilem(s) here and record details on appropri- M/A	iale lest dala sheel.)	210/N-590
Buard Service COMMENTS/PROBLEMS/AGREEMENTS MADE: - discorred and maknews prove - truck decen ped leaking co FEST DATA: (List liem(s) here and record details on appropr A/A	Imple Scalend 2 1601e at condinate E- insate cate promet	210/N-990
Buard Service COMMENTS/PROBLEMS/AGREEMENTS MADE: - disc arced an makened port - truck decen ped leaking co TEST DATA: (List ilem(s) here and record details on appropri- M/A	Imper Scaced 2 1hole at conclinate E-1 iscate cate promo	210/N-990
Buard Service COMMENTS/PROBLEMS/AGREEMENTS MADE: - Discorred an mathema part - Himst decen ped leaking co TEST DATA: (List ilem(s) here and record details on appropr M/A VISITORS: (Time, Representing, Comments)	Immber Brdasad 2 Thole at conclinate E- sissate at grands	210/N-590
Buard Service COMMENTS/PROBLEMS/AGREEMENTS MADE: - discreted and mathemal particle - discreted and record details on appropriate M/A /ISITORS: (Time, Representing, Comments) Now E_	Imple Scalend 2 shole at condinate E- issate cate grame.	210/N-990
Buard Service COMMENTS/PROBLEMS/AGREEMENTS MADE: - disc arced an makient part - disc arced an makient part - disc arced an makient part - disc arced an pad leaking co - disc arced and record details on appropriate and record details on appropriate and record details on appropriate and constant and cons	Innte Scaced 2 1601e at condinate E-1 iscate cate prames	210 / N - 990
Buard Service COMMENTS/PROBLEMS/AGREEMENTS MADE: - discarced an makened part - discarced an makened part - truck decen pad leaking co TEST DATA: (List item(s) here and record details on appropr M/A /ISITORS: (Time, Representing, Comments) NONE	Innte Scaced 2 16010 at conclinate E - 1 iscate cate prants	210 / N - 990

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MVWGERS	PHONE: (215) 692-3030 TELEX: 83-5348	
DATE: 19 JAN 87 Marchanol	SUPERVISOR: F. Klots back	
LOCATION: Usade Site - Chester, PA.	WEATHER & TEMPERATURE: Horary MAN, Tango ~ 3:	5 .•
0737-26-03-05		
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
landed and remared 2 lands at	JP 977	1
wood / debois to Petrille Bros. LE	Komatsu Londer	
landed and command trailer = 3 to	CASE BAckhor	
Savey's yard for wording	Grime Fighter	
score maket to condent Site	comparison / Air hommer	<u>2</u>
continued installing silt fence		
repaired time de cas pad		
continued set up of personal decan	·	
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
I'll technician and -site		
New har. Hanson totion / disposal		
······		
COMMENTS/PROBLEMS/AGREEMENTS MADE:	See RES (FE) daily	
- see minutes of daily meat	ing in project notebook	
	broken value storm - s	ite.
· release of Acchiene gas due to lunanated. No injuice. Inc.	Went 169017 AMAChed	
- release of Acchiere ons due to Chamated. No injectes. Inc. TEST DATA: (List item(s) here and record details on appropriat NONE - still Augisting data for st	e lesi daia sheet.) males co llected 1/14/87	
- release of Acetylene gas due to Gracuated . No injectors . Inc. TEST DATA: (List item(s) here and record details on appropriat NONC - Still Augisting Jata for St	e leal data sheet.)	
- release of Acetylene gas due to Blackated. No injectors. Inc. IEST DATA: (List item(s) here and record details on appropriat NONC - still Accepting data for se /ISITORS: (Time, Representing, Comments)	e lesi dala sheel.)	

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DAILY REPORT	WESTON WAY WEST CHESTER, PA 193 PHONE: (215) 692-3030 TELEX: 63-5348	180
DATE: Ton 87	CONTRACTORS SUPERVISOR: C Plate bally	, , , , , , , , , , , , , , , , , , ,
LOCATION; WADE Site - Chester, TA.	WEATHER & TEMPERATURE: Mostly cloudy - 6056	
JOB NO: 0739-26-03	Tamp~35°F	
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- decon zone essentially fully	JP977 Laguas	
operational.	Komatsu Loadee	
- sitt ferres installation along	CABE 590 BACKhoic	
PELO fence line continued.	brime Fighte	
- leaded 3 trucklands of sump	Track-Trailers	3
for disposal (see below comments)	Comprover / Air Harmonal	
- transported I traike offisite for		
withing.		
	[
		·····
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
for a colle and tiques	-lumber for shirts or an	d traiters
- in pasticial pucience sugart	- the duran he fore ; made	Sin hiers
- transport/ disposal - workaz.	- Sill lencing	
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
Three loads of suppometed	from the pile adjace	at to
The DOINER HOUSE WITH TO Exted	to Condan Scrap Ind	The
and I beland ASSiched to said	to lough the oile El	dI.
discussed accorden for exte	A work Isorting the	vile).
Kelense of Acetylene 900 yes	today p.m. No injucio	har
camage. Incident repet to	be proposed by J. MA	m.c
TEST DATA: (List liem(s) here and record details on appropriate	icst data sheet.}	
Verbal data for sil candes in the	ted on 1/N/87 received. L	ale report
Pomised by 1/23/57		
VISITORS: (Time, Representing, Comments)	······································	
<u> </u>	1	1 670

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MADE Site - (Chester, TA. OVERAST TO Pt. Summy 34-38° JUBNO: 34-38° JUBNO: 34-38° DESCRIPTION OF WORK PERFORMED: DESCRIPTION I) CONTRACTOR PERSONNEL & EQUIPMENT: DESCRIPTION OF WORK PERFORMED: NI DESCRIPTION OF WORK PERFORMED: DESCRIPTION NI DESCRIPTION OF WORK PERFORMED: DESCRIPTION NI PLACE SKIPS ACOUNT ACTOR STEAM TENDY NI PLACE SKIPS ACOUNT ACTOR STEAM TENDY NI PREACH SALES - Conscal for Cased State Loadee Steam Tenny - - Remarked Lander for Cased State Loadee Steam Tenny - - Repared States - Torch cutting Initided Balant Tenny - - SAVOL'S yord Torch cutting Initided Balant Tenny - - SAVOL'S yord Torch cutting Initided Balant Tenny - - SAVOL'S yord Torch cutting Initided Balant Tenny - - SAVOL'S yord Torch cutting Initided Balant Tenny - - SAVOL'S yord Torch cutting Initided Balant Tenny - - Marke Savies continued - Immed Act Arabics Exerch - - Marke Savies continued - Immed A	<u></u>	te brach IE:	CONTRACTORS SUPERVISOR: F. KIOF WEATHER & TEMPERATURE	The la more	DATE: 21 JAN 87 LOCATION:
DIST - 25 - 25 - 25 - 25 - 25 - 25 - 25 - 2		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	34-38	- Chester, TA.	JOB NO:
1) CONTRACTOR DESCRIPTION N Removed 1 load wood tritess MARTSU D655 Loadee Placed skirts Acound trailers Martsu D655 Loadee Removed 1 load wood to Landkilly Steam Jenny Prepared tankers for removed to Crise 580 Blackhoe SAVO's yord - Torch citting initial Babeat Loadee at skirts. Jord - Torch citting initial Babeat Loadee plated. Jord - Torch citting initial Babeat Loadee plated. Jord - Torch citting initial Common plated. Jord - Torch citting initial Common plated. Jord - Sectioned - London - Portice Sections - Jord - J			PERSONNEL & EQUIPMENT:	RK PERFORMED:	DESCRIPTION OF WOR
Sconerse grup septer Placed skirts Hand trailers Komarsu Doss Londer Prepared skirts Hands trailers Komarsu Doss Londer Prepared tankers for remarked to Cree 580 Thackhore SHOI's yord Tarch eitting initiated Babest Londer at shiptis. Torch setting initiated Frequence to meditive time initiated Babest Londer at shiptis. Torch setting initiated form gets meditive times come - pletted. pletted. Torch setting initiated pletted. Lamber to trainer setting initiated hygiene technicken services centanad Personal pretching gets. installation of senvice continued Lamber to trainer setting gets. MMENTS/PROBLEMS/AGREEMENTS MADE: Three and record delay controls charact in Shiedder Eldy. DELLORA fing installer. Torch setter installer. Three and record delay controls. Shiedder Eldy. Site.<		NUM	TD 977 Tack /	an la la la de alte	CONTRACTOR
Remard 1 (and wash fir Landhilling Stemm Jenny Repared tankas for remarkation Jenny Prepared tankas for remarkation Come 580 Backhoves SAVOI's yord Tarch citting initial Babeat Loaden at Shistis. Front gete meditications come - plated. SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) MATERIALS: (QUANTITY, P		ader /	KAMARON DASS 1	of Acand Irailers	Placed Skill
Prepared tonkers for remarked to Case 580 Backhoe Skylol's yord Torch eithing initiated Backat Loadge at Skylol's yord. Torch set Front gote modifications comm - Prepared set pletted. Torch set Isubcontractor: Materials: (QUANTITY, PURPOSE) Subcontractor: Materials: (QUANTITY, PURPOSE) And Service continued Lamber for training set of a se	/		Sterm Tenne	load wood fur handfill	Personal 1
SANDY's yord, - Torch witting initiated Babast Loaden at Skipt's. Front gold modifications comm- plated. SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) And Service continued American services centioned - Lumber for training services and service continued - Lumber for training services and service continued - Lumber for training services and services centioned - Lumber for training services - Material for the services centioned - Lumber for training services - Material services centioned - Lumber for training services - Material services centioned - Lumber for training services - Material services centions - Postand provides and the services of servers in Shredder Bills. - DELLORA fint inspective expected of the discharge in the aster (and previous expected) of the discharge of the - site - site - site - site - site - Site	1	he (CASE 580 BACK	mkers for remarked	Prepared to
at Ship's. Turch set Front gate meditivities comm- pletted. guard Service continued hygiene technicion services contained hygiene technicion services contained modested. OMMENTS/PROBLEMS/AGREEMENTS MADE: Three meet PCB cap certers discover in Shredder Bills. DELLORA finst inspective errors copected " illegal discharge" in pleture ford prenives approad of fore disclarge. C. Construction of services approad for the construction of services the services approad for the construction of services approad for the construction of services the services approad for the construction of services approad for the construction of services approach for the consthe construction of s	,	,	Babeat Loader	nd Torch cutting init	SAVOY'S MAR
Front gote meditivelies com- pleted. SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) GUARD Service continued Immer to trainer services contained Immer to trainer services contained Immer to trainer services contained Three area PCB cap astrony of services discover in Shredder Billy. DELLORA first inspective constrained in Shredder Billy. DELLORA first inspective constrained of the discharge in Flower St. Man hole. Inspectate on - site was advised as the nature (and prenius approved) of the discharge. C. Con to express anoil a const the DELCORA approved latter to site. ST DATA: (List litem(s) here and record details on appropriate test data sheet.) Alone	1	1	Torch set		at SAUDY'S.
platid. SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) GUARD Service continued Augiene technician services centinued Augiene technician services centinued installation of services centinued installation of services centinued Composited. Composited. OMMENTS/PROBLEMS/AGREEMENTS MADE: Three mee PCB cap acites discover in Stredder Billy. DELLORA fine inspective cross chrone in Stredder Billy. DELLORA fine inspective cross contest of illegal dischare" in Flower St. Manhele. Inspector on - site was eduised and the patire (and preview approact) of the dischare. C. Com technologies and ill actor to . Site. EST DATA: (List item(s) here and record details on appropriate test data sheet.) Non-e_				modifications com.	Front gate
SUBCONTRACTOR: SUBCONTRACTOR: Angiene technician socies centioned Imperation of services centioned Imperation Completed. OMMENTS/PROBLEMS/AGREEMENTS MADE: Three meet PCB cap services chiconest in Shirdder Elde. DELLORA line inspection crow crow tool "illeged discharge" in Flower St. Manhele. Inspector on -site was eduised as the nature (and previous approved) of the discharge. C. Com the control (and previous approved) of the discharge. C. Com the control (and previous approved) of the discharge. C. Com the control (and previous approved) of the discharge. C. Com the control (and previous approved) of the discharge. C. Com the control (and previous approved) of the discharge. C. Com the control (and previous appropriate test data sheet.) IST DATA: (List item(s) here and record details on appropriate test data sheet.)					pleted.
SUBCONTRACTOR: SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) And Service continued Angiene technicion services continued installation of samilary work system completed. OMMENTS/PROBLEMS/AGREEMENTS MADE: Three more PCB cap articles chieners in Shredder Billy. DELLORA line inspective cross consister with advised as the nature (and previous approved) of the discharge " in the nature (and previous approved) of the discharge C. Con- the capture (and previous approved) of the discharge C. Con- the capture (and previous approved) of the discharge C. Con- the capture (and previous approved) of the discharge C. Con- the capture (and previous appropriate test data sheet.) STDATA: (List item(s) here and record details on appropriate test data sheet.)				······································	
SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) GUACO Service continued hygica e technician services centaned - Personnel protectore gave. installation of southing east system. completed. OMMENTS/PROBLEMS/AGREEMENTS MADE: Three area PCB caparetters discover in Shredder Elde. DELLORA line inspectial creation of southers dischare" in Flower St. Monthole. Inspector of illegal dischare" in Flower (and pressur appropriate test data sheet.) ST DATA: (List item(s) here and record details on appropriate test data sheet.) MONCE					
SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) GRAND Service continued hygical technician services contand - Personnel protection services installation of something easts system. completed. OMMENTS/PROBLEMS/AGREEMENTS MADE: Three mere PCB conservices discover in Shredder Elde. DELLORA line inspection crew crepschod "illegel dischare" in Flower St. Manhele. Inspector on - site was advised as the nature (and previous appropriate test data sheet.) SST DATA: (List item(s) here and record details on appropriate test data sheet.) Material and the service of the ser					
Subdommachen. Augiene technician socies centioned - Personnel protection- quer installation of sonition easter system. completed. OMMENTS/PROBLEMS/AGREEMENTS MADE: Three mere PCB correctors discovered in Shredder Bilde. DELLORA line inspection even reported "illegal dischare" in Flower St. Man hele. Inspector on - site was advised as the nature (and previous approach) of fine dischare. C. Corr f express and a corr of the DELCORA approval latter to . site. ST DATA: (List item(s) here and record details on appropriate test data sheet.) Non-e-		IRPOSE)	MATERIAL S. (OUANTITY RUS		SUBCONTRACTOR
And Service continued Lumber to trailer serves hygiene technician services centinual Personnel protective gase. installation of shouthing waster system. completed. OMMENTS/PROBLEMS/AGREEMENTS MADE: Three mere PCB cap resters charened in Shredder Elde. DELLORA line inspection crows copy at illegal discharge " in Flower St. Manhole. Inspector on - site was advised as the nature (and previous approved) of the discharge. C. Com & express and a capy of the DELCORA approval latter to . site. ST DATA: (List item(s) here and record details on appropriate test data sheet.)					Subcontinacton:
Ingliane remained service contained - reservice provents good. installation of sometime easter system. completed. OMMENTS/PROBLEMS/AGREEMENTS MADE: Three more PCB consisters discovered in Shredder Elde. DELLORA line inspective cross consister on - site was advised on Flower St. Manhole. Inspector on - site was advised on the native (and preview approach) of the discharge. C. Con to express and a copy of the DELCORA approach latter to site. EST DATA: (List item(s) here and record details on appropriate test data sheet.) Non-e-		loc scirre	Campel tol trail	<u>continued</u>	GUARO Service
MISTRACTION OF SAMURAN LADIE SUSTEME. COMMENTS/AROBLEMS/AGREEMENTS MADE: Three mere PCB converters discored in Shredder Bills, DELLORA line inspection crossfer on - site was advised as Flower St. Manhele. Inspector on - site was advised as the nature (and previous approved) of the discharge. C. Sam to express anod a corr of the DELCORA approved latter to . site. EST DATA: (List item(s) here and record details on appropriate test data sheet.) MONCE		eurone grander	· remaining prove	hand services annau	ingiene sein
OMMENTS/PROBLEMS/AGREEMENTS MADE: Three mere PCB cap resters discover in Shredder Elde, DELLORA line inspection crew creps (ted "illeght dischare" in Flance St. Manhele. Inspector on site was advised as the nature (and pression approval) of the discharge. C. Corr to express andri' a cap of the DELCORA approval latter to site EST DATA: (List item(s) here and record details on appropriate test data sheet.) MONCE		<u></u>	- <u> </u>	or sawing Grove system	completed.
Three mere PCB convitors discover in Shredder Bildy. DELLORA line inspective even reported "illegal discharge" in [Flower St. Manthole. Inspector on -site was advised as the nature (and previous approval) of fire discharge. C. Con the express and correct a carp of the DELCORA approval latter to site. EST DATA: (List item(s) here and record details on appropriate test data sheet.) Alower				MS/AGREEMENTS MADE:	OMMENTS/PROBLEM
DELLORA line inspective crows reported "illegal discharge" in F-lower St. Manhole. Inspector on -site was advised an the nature (and provide approved) of the discharge. C. Con to express and a cary of the DELCORA approved latter to site. EST DATA: (List item(s) here and record details on appropriate test data sheet.) Alence		redder Bldg.	discovered in Sha	TOR PEB CAPAN	Thee m
DELCORA TIAL INFERIOR CAS CONSTRUCTION INSTRUCTS AND INSTRUCTS IN [Flower, St. Manhele. Inspector on - site was advised as the active (and previous approach) of the discharge. C. San to express and a carry of the DELCORA approach latter to site. EST DATA: (List item(s) here and record details on appropriate test data sheet.) Now-		link and with	/ M Wanded	1	DELLARA II
Here nature (and previous expressed) a f the discharge. C. Con to express and it is carry of the DELCORA approval latter to . site EST DATA: (List item(s) here and record details on appropriate test data sheet.) Alexe	a tu	advisor Ant	to maine was	t. Manhale Ins	Flower St
Le capacese andri' a capy of the DELCORA approval latter to . site EST DATA: (List item(s) here and record details on appropriate test data sheet.) Alex-e_	den .	TE. C. Carle) of fre dischar	land prenious and	the nature
Site	the.	al latter to the	DELCORA Approv	anail a copy of ,	to express a
EST DATA: (List item(s) here and record details on appropriate test data sheet.)			·····		site
EST DATA: (List item(s) here and record details on appropriate test data sheet.)					<u></u>
Non-e_			st data sheet.)	s) here and record details on approp	EST DATA: (List item(s)
				······································	NON-
				·····	
			·····		
SITORS: (Time, Representing, Comments)		······	· · · · · · · · · · · · · · · · · · ·	esenting, Comments)	SITORS: (Time, Repres
Concail eran				<u>س</u>	Concat eran
DELCORA inspector (1)	00200	<u> </u>	······	inspector.	DELCORA is

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DATE: BY: PA	CONTRACTORS	
22 JAN 87 Charles mon	SUPERVISOR: F. Kotz Gooda	
Whole Site - Choseke, PA.	Honry SNON, Tomp N33 Winds NBAST NO POMPA	5-0
DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- continued cutting Tinke # 30	2 TD 917 HAL KARE	
SAVOYS YALD	Komatsu Londer	1
- initiated for an entring	Betert Landce	
- allempted to lead teater an	Tracki HANKI (lowboy)	
10 may - Thick Round Not Mile	S Ellance Frank	
	/ unary	
	as REE(FS) daily	
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
quelo service contraves		
L. H. Tallanilla Source Command	2	
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
- Walled the day due to No	appor - will probably not	uplk_
to maran dué to predites	Recompletion of 212:	*
		i
	<u></u>	
TEST DATA: (List item(s) here and record details on approp	priate test data sheet.)	
NONE		
VISITORS: (Time, Representing, Comments)		
VISITORS: (Time, Representing, Comments)		

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	the Clarool	SUPERVISOR: F. Klotzba	de la
OCATION: Whe site - Che OB NO:	ske, PA.	WEATHER & TEMPERATURE: Temp 30 -> 20 F (Hind Farthy Summy - 14 Semu	Chill NO°F) Accommon lation
DESCRIPTION OF WORK PE) CONTRACTOR NONE	IRFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
) SUBCONTRACTOR: NONC AMONT	man guad suc.	MATERIALS: (QUANTITY, PURPOSE) <u>Ceccied 118 certors of</u> <u>Gaumoste</u> .	F patechie
OMMENTS/PROBLEMS/A - Tempocary Van strick	GREEMENTS MADE: weler service brown along side PR-	en by tow fuilt en; tracts	lica hay
	e and record details on appropria	te test data sheet.)	
EST DATA: (List item(s) here			

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	WESTON WAY	
DAILY REPORT	WEST CHESTER, PA 193 PHONE: (215) 692-3030 TELEX: 83-6348	80
DATE: 27 Ion 81 Millannos	CONTRACTORS SUPERVISOR: Corebach	
LOCATION:	WEATHER & TEMPERATURE:	
JOB NO:	- Juind's North @ 7-12mg	0L
0737-26-03.05		
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- continued grubbing rear of site	- CASE STOE BACKhoe	
a anna and a standard the Hard Hard	Kamatsu P655 loader	
franzautas aff rite.	Gime fishter	
	lowby trailo	/
· ladel frontes a 4 - franzail trans	a dampo trasitos	2
at 3/4 at shell on transformer for	Milwarkee Sans	
has mat comound * (91/2 hs.		
latur expanded).		<u></u>
·····	Bibent loalar monored from	site for renais
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
- guard & ind. hygione suss. cont.	Dlades for Milmankees	د.
survey initisted		
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
* extra work saitiated by RES C	facil risk	
	······································	
TEST DATA: (List item(s) here and record details on appropr	ale lesi dala sheel.)	
NONE		
VISITORS: (Time, Representing, Comments)		
NONE		

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DATE: 28 TAM & 7 100 ATION: UCOATION: UDOATION: UDOATION: UNDER STATUSE: UDOATION: UNDER STATUSE: UDOATION: UNDER STATUSE: UDOATION:		PHONE: (215) 692-3030 TELEX: 83-5348	-
20 PER CARACTER WEATHER & TEMPERATURE: MAde Site - Chocker, TR. Weather & Temperature: Marker Site - Chocker, TR. JOB NO: Marker Site - Chocker, TR. Weather & Temperature: Marker Site - Chocker, TR. JOB NO: Marker Site - Chocker, TR. JOB NO: Marker Site - Chocker, TR. DESCRIPTION OF WORK PERFORMED: DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION	DATE: DE Tan EZ by the met	CONTRACTORS SUPERVISOR: E VILL-bank	·
Mile Gile - Chibite, Th. Temps B = 55° JOB NO: NIMBE NOB NO: WINDS WISS 3-205 DESCRIPTION OF WORK PERFORMED: PERSONNEL & EQUIPMENT: 10 CONTRACTOR MATERIALS: - CONFLICTED OF WORK PERFORMED: PERSONNEL & EQUIPMENT: - CONFLICTED OF WORK PERFORMED: PERSONNEL & EQUIPMENT: - CONFLICTED OF WORK PERFORMED: PERSONNEL & EQUIPMENT: - CONFLICTED OF WORK OF A GOTS CALS. TD ST2 / LORAC - CONFLICTED OF WORK OF A GOTS CALS. TD ST2 / LORAC - CONFLICTED OF WORK OF A GOTS CALS. TD ST2 / LORAC - CONFLICTED OF WORK OF A GOTS CALS. TD ST2 / LORAC - CONFLICTED OF WORK OF A GOTS CALS. TD ST2 / LORAC - CONFLICTED OF WORK OF A GOTS CALS. TD ST2 / LORAC - CONFLICTED OF WORK OF A GOTS CALS. TD ST2 / LORAC - MORE OF A GOTS CALS. TD ST2 / LORAC - MATERIALS: (QUANTITY, PURPOSE) - / / / / / / / / / / / / / / / / / / /	LOCATION:	WEATHER & TEMPERATURE:	
JOB NO: Arids W/SW S-rinner Arids W/SW S-rinner Arids W/SW S-rinner DECORPTION OF WORK PERFORMED: PERSONNEL & EQUIPMENT: NUMBE CONTRACTOR Christ Stad der gas cyls. TD ST2 / Data / - Continue of wolk of a gas cyls. TD ST2 / Data / / - Continue of wolk of a gas cyls. TD ST2 / Data / / - Continue of wolk of a gas cyls. TD ST2 / Data / / - Contractor of a continue of a gas cyls. TD ST2 / Data / / - Contractor of a continue of a gas cyls. TD ST2 / Data / / - Contractor of a continue of a gas cyls. TD ST2 / Data / / - Marco # 6 Millouttee Sous* 2 / / - Jobson of a gas cyls. MATERIALS: (QUANTITY, PURPOSE) - / - J BUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) - - - J Bubbont SAGREEMENTS MADE: - - - - - Vleath & State for items Such & former for for for for for for for for for fo	While Site - Chester, TA.	Temp 8-380	
DESCRIPTION OF WORK PERFORMED: PERSONNEL & EQUIPMENT: NUMBI - CONTINACTOR (Rsc SEDE Backhee.) / - CONStructed Scied for gas cycls. TD ST2 londer / - CONStructed Scied for gas cycls. TD ST2 londer / - Marked Scied for gas cycls. TD ST2 londer / - Marked Scied for gas cycls. TD ST2 londer / - Marked Scied for gas cycls. TD ST5 londer / - Marked Scied for gas cycls. TD ST5 londer / - Marked Scied for gas cycls. TD ST5 londer / - Marked Scied for gas cycls. D St5 londer / - Marked Scied for gas cycls. Marked Scied for gas cycls. D - Marked Scied for gas cycls. Marked Scied for gas cycles. D - Jonder for gas cycles. Saw binkles* D - Market for gas cycles. Saw binkles* D - Market for gas cycles. <td>JOB NO; 1737 - 26 - 03 - 05</td> <td>Winds W/SW S-7MM</td> <td></td>	JOB NO; 1737 - 26 - 03 - 05	Winds W/SW S-7MM	
- Continue of willing femter # 1* Case \$80 E Backsve_ 1 - Continue of willing femter # 1* Case \$80 E Backsve_ 1 - Continue of willing femter # 1* TD \$72 10 Mer - began willing feet watts on * D \$55 10 Ader 1 - began willing feet watts on * D \$55 10 Ader 1 - began willing feet watts on * D \$55 10 Ader 1 - began willing feet watts on * D \$55 10 Ader 1 - began willing feet watts on * D \$55 10 Ader 1 - began willing feet watts on * D \$55 10 Ader 1 - began willing feet watts on * D \$55 10 Ader 1 - began willing feet watts on * D \$55 10 Ader 1 - began willing feet watts on * D \$55 10 Ader 1 - contractors: Materials: (QUANTITY, PURPOSE) - I H and guessed sees. contribute Saw billies* - COMMENTS/PROBLEMS/AGREEMENTS MADE: - - Heetith & Sately items seed fee best wated fee delivert - Heetith & Sately items seed fee best weed fee best delivert - Heetith & Sately items seed fee best delivert - Heetith & see fee best delivert - Will be egginated first format obsattge ordete. - TEST DATA: (Usi liem(s) here and record delsils on appropriate test data sheet.) - Move -	DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT:	NIMBER
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- began within and with on the Dess lender / Anne to the Milwaukee Sous ** 2 Milwaukee Sous ** 2 2) SUBCONTRACTOR: And Guard Stes. continue COMMENTS/PROBLEMS/AGREEMENTS MADE: - TH and Guard Stes. continue COMMENTS/PROBLEMS/AGREEMENTS MADE: - Health & State for items Such to boot with a concrete will be control for the for the for the state of th	. constructed shed for and culs.	JD 577 londor	1
Jonte #6' Milpolates Saus* Z 2) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) 2) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) - I H and guard sits. continue Sou binds* COMMENTS/PROBLEMS/AGREEMENTS MADE:	began auting end walls on *	DESS lender	
2) SUBCONTRACTOR: 2) SUBCONTRACTOR: TH and guard sets. arthree Saw blacs ** COMMENTS/PROBLEMS/AQREEMENTS MADE: - Heatilt & Safe by items such as foot wasd / zone velocant will be approved first footest first fooing to some red * "At cisk wast peopling to married all sheet.) FEST DATA: (List liem(s) here and record delails on appropriate test data sheet.) NONC - VISITORS: (Time, Representing, Comments)	ponter # 6	M. WAYKEE Sous	2
2) SUBCONTRACTOR: ATERIALS: (QUANTITY, PURPOSE) - I H and guard socs. arthrae Sou blacks * COMMENTS/PROBLEMS/AGREEMENTS MADE: - Headth & Starty items such as boot wasd / zone deliver will be egicated first falled first troing to amoreat * "At cisk" wark peording turned about other ge ender. TEST DATA: (List liem(s) here and record delails on appropriate test data sheet.) NONE - VISITORS: (Time, Representing, Comments)			
2) SUBCONTRACTOR: A) SUBCONTRACTOR: - I H and guest secs. continue Sow bittles* COMMENTS/PROBLEMS/AGREEMENTS MADE: - Health & Sthery items such as boot week from deliver will be explored firstfalled first trying to smore with the explored firstfalled first trying to smore with the explored firstfalled first trying to smore with the explored firstfalled first trying to smore with Wistors: (List liem(s) here and record delails on appropriate test data sheet.) - Nonce VISITORS: (Time, Representing, Comments)			
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2) SUBCONTRACTOR: - I H and guard sets. continue - I H and guard sets. continue COMMENTS/PROBLEMS/AGREEMENTS MADE: - Heatth & State by items Such as bot word from detinant will be explained firstalled first thing to merced * "At cisk" wirk pending to firstalled first thing to merced NONE - VISITORS: (Time, Representing, Comments)			
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Z/SUBCONTACTOR: IMATERIALS: (WANTIT, PURPOSE)			
- <u>I A and Gunard Sets</u> . <u>Contribute</u> COMMENTS/PROBLEMS/AGREEMENTS MADE: - <u>Heatth & Sthery items Such as boot wash / 2010 delinem</u> will be control firstalled first toring to american * <u>At iisk wirk pending to more of</u> TEST DATA: (List item(s) here and record delails on appropriate test data sheet.) NONE - VISITORS: (Time, Representing, Comments)	Z) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
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COMMENTS/PROBLEMS/AGREEMENTS MADE:			
COMMENTS/PROBLEMS/AGREEMENTS MADE: - Heatth & Satery items such as boot wash / zone delinem will be infraded / installed first toring to americal * "At iisk" wirk pending formal change order TEST DATA: (List liem(s) here and record delails on appropriate test data sheet.) NONE - VISITORS: (Time, Representing, Comments)			
- <u>Health</u> <u><u><u>i</u></u><u>Strety</u><u>items</u><u>Such</u><u>E</u><u>bot</u><u>wash</u><u>Done</u><u>detinem</u> <u>will <u>be</u><u>i</u><u>g</u><u>i</u><u>cated</u><u>fi</u><u>s</u><u>talled</u><u>fi</u><u>s</u><u>t</u><u>t</u><u>r</u><u>i</u><u>s</u><u>r</u><u>i</u><u>care</u><u>d</u><u>c</u><u>i</u><u>r</u><u>i</u><u>care</u><u>d</u><u>c</u><u>i</u><u>c</u><u>i</u><u>c</u><u>c</u><u>i</u><u>c</u><u>c</u><u>c</u><u>c</u><u>c</u><u>c</u><u>c</u><u>c</u><u>c</u><u>c</u><u>c</u><u>c</u><u>c</u></u></u>	COMMENTS/PROBLEMS/AGREEMENTS MADE:		
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* "At isk wick pending firmal demage sidec. TEST DATA: (List item(s) here and record details on appropriate test data sheet.) NONC - VISITORS: (Time, Representing, Comments)	will be instaled firstall	ed first tring to more	w
* "At isk wick pending himnel change videc. TEST DATA: (List item(s) here and record details on appropriate test data sheet.) NONC - VISITORS: (Time, Representing, Comments)		· · · · · · · · · · · · · · · · · · ·	
"At iisk" which pending himnel change gidac. TEST DATA: (List ilem(s) here and record details on appropriate test data sheet.) NONC VISITORS: (Time, Representing, Comments)			
K "At isk" wirk planding firmal damge oldec. TEST DATA: (List ilem(s) here and record details on appropriate test data sheet.) NoNC VISITORS: (Time, Representing, Comments)			
TEST DATA: (List item(s) here and record details on appropriate test data sheet.) NoNC VISITORS: (Time, Representing, Comments)	WAA ciekt week newling have	al charges where	
VISITORS: (Time, Representing, Comments)	TEST DATA: (List item(s) here and record details on appropr	ate test data sheet.)	
VISITORS: (Time, Representing, Comments)			
VISITORS: (Time, Representing, Comments)	NONE -		······
VISITORS: (Time, Representing, Comments)	-		
VISITORS: (Time, Representing, Comments)			
	/ISITORS: (Time, Representing, Comments)		
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- NONE -			

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ATE: 29 Jan 87 John Classof	CONTRACTORS SUPERVISOR: F. Klotchart	¥
Made Site - Cheske, PA	Mostly sunny - 20-2 Winds W/SW@5-7 mpm	5
ESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
PCB casaribas ascented *	CASE 580E ARthre	1
Cut indusits on tonte # 6	50977 londer	1
Rubber withing initiated.	D655 londer	
Salids compand from tonker # 1 Began wilding the retainte decon part into place.	[M];/MAU.Koc SAW	
	labor for preparting	~ 6 hrs.
SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
I H and Gund suis. confines	3" Por droms lean to	0,55 GH)
Repairs to front gat continue.	2 hogs reconcidite	
Site Europ initiated	4 RB labols	
OMMENTS/PROBLEMS/AGREEMENTS MADE:	SAW DIROLES * (MAny)	
RES plans to use demoking Place Band 4 when equip. is lighted to suspend demoking the life plan and that the Ave with the fast bullot.	Volte As filler work chur Actoring tructs, the pending tructs, the pending tructs of the will not fille dawn.	ch-ing NC Thrsett Inge UNA
At cise "mate pending approved of ST DATA: (List liem(s) here and record details on appropriate	lest data shoel.)	

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DATE: Tou By BY Pl	CONTRACTORS SUPERVISOR: E Klatzback	
LOCATION:	WEATHER & TEMPERATURE:	
WADE SITE - CRESEE, TA	_ 10999 - mike (25-3)	5 / - :/-
0739 - 26 - 03 - 05	PERSONNEL & EQUIPMENT:	<i>ye</i>
1) CONTRACTOR	DESCRIPTION	NUMBER
finished the part + 6	The SBUE CARROR	
month to the second	DESS Inader	
Nicoral	Strong Knay	
Continued rellins vehicte chemp		
rubbe conting continued		
SUBCONTRACTOR: It and sund sucs. continued	MATERIALS: (QUANTITY, PURPOSE)	no for
Site Surey continues	removing has mat for	m tanker "6"
······		
COMMENTS/PROBLEMS/AGREEMENTS MADE:	· · · · · · · · · · · · · · · · · · ·	
- revised post of support 201 for fruck score comps; pl	ac due to increased spor	e <u>neeled</u>
on wells \$ 3 and \$ 3A.		
PELCOLA WANTE OU SMithing	wastes tested to PP meta	is and TOX
penve they will ponnit distri	rege to protection to the	
"At risk Wick pending camp	e miturestion.	
EST DATA: (List liem(s) here and record defails on appropr	late test dala sheet.}	
- NONE -		

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WESTON WAY WEST CHESTER, PA 19360 PHONE: (215) 692-3030		
	DESCHERSCONSULTINITS	
31 Jan 87 Claymont	SUPERVISOR: F. Klotzbach	
Wade Site - Choster, PA.	Mostly Clearly - 35°	
JOB NO: 0735-26-03-05	Winds 10-12 mpt	
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- prished willing redicte decor	- Shredder Frailer Arriva	/
built welloway to break trailer	IH-3884B backhoe AT	red last nite.
	·	
	-	
- Quard SVUS. Combines	- lumber to wateray	·····
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
JONE		
·		
EST DATA: (List lism(s) here and record details on appropriat	e fast data sheet)	
- NONE -		
'ISITORS: (Time, Representing, Comments)		
- NONE -	······································	000/ 00

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	SUPERVISOR: F. COTZON	m
WANE Site - Chaster, FA BNO: 1739 - 24 - 133 - 05	45° - Masty Surny	
SCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
representation trailer al	In TD 977 lander	
shed and full hand	D655 Jander	1
modified assings on MWB3	CASE STO E landes	
and B3A to parammalat track	IH 3984 back hoe	(
vale construction.	Electromant attanin	+* 1
entine ad white the sating	Sterm jerry	(
mished recovering tanker solid	*	
in wat zone.	•	
thanked checkmanged to the		
N 384 book fe *		
UBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
Auge to a plical the break deail		
when a ma data	<u>-</u>	
TH and might size continue		
MMENTS/PROBLEMS/AGREEMENTS MADE:		
PEN to calleit and and an	a country of the carity	in to bling
hork by PELCORA man	it matication - Des to	an tol
for anolysop.		
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At lisk work pending Approve	I chame onler.	
T DATA: (List item(s) here and record details on approp	riate test data sheet.)	
h. No data sevented ~170	om some blacked in the	henter
solids / soil aile in grid	1/3	
TORS: (Time, Representing, Comments)		
T Samala - DESTES T	· · · · · · · · · · · · · · · · · · ·	
1. 200 gie - RE2 (- 37 Juic		
	······································	

11 WESTON WAY WEST CHESTER, PA 19380 PHONE: (216) 692-3030 DAILY REPORT TELEX: 83-5348 DESIGNERS/CONSULTANTS CONTRACTORS SUPERVISOR: DATE: Kloteback ÷., An Claspoor 3 Feb 87 WEATHER & TEMPERATURE: LOCATION: Whe site - Chester, JOB NO: 0139-26-03-05 DESCRIPTION OF WORK PERFORMED: PERSONNEL & EQUIPMENT: DESCRIPTION NUMBER 1) CONTRACTOR began encovating sette from -JD 977 londer tations D655 londer continued w/ fire sor fing CASE 580 E hoe attempted to six the electro -Schimmen Preumatiator ampressor / jack harmon magnet in the IN 5584 hoc -> unit ant operational constructed qualitating to 1 video auting pichos sol IH 3984 backhoe ingection electrommanet Legron cutting steel tor fire Washing wonits 2) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) power supplied to equip torites COMMENTS/PROBLEMS/AGREEMENTS MADE: . WESTON | DELCORA split samples from the holding tanke. paper and CN Analyses (37.50 cs. for 1 whe 771 * unit removed from site be repairs TEST DATA: (List item(s) here and record details on appropriate test data sheet.) - received copy of surveyor's notes Ris data to 1/29 transmited scholly (all <0.05 mg/m ?) b. Nu detecting alattes @ selected lacations VISITORS: (Time, Representing, Comments) 100689

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DAIL Y R	EPORT			WESTON WAY WEST CHESTER, PA PHONE: (215) 692-30 TELEX: 69-5346	19380 30	
DATE: 4 Feb 8:	1 John	Clegnol	CONTRACTORS SUPERVISOR	Kietz badi]
LOCATION: Made Site JOB NO:	- Choster, T	R	WEATHER & TEMI 53-42° ? Winds W	Summy Summy of to 16 mph.		
DESCRIPTION OF 1) CONTRACTOR	NORK PERFORMED:		PERSONNEL & EQ DESC	UIPMENT: RIPTION	NUMBER	
- pored	Anotes ta z 1 (abbe soch	trat scale	JD 977 D 655 10	Adec	/	
		/	CAR 580 E	halthe		
2) SUBCONTRACTO	R:	me tinued	MATERIALS: QUAN	ITITY, PURPOSE)		
			steel for	hote wint	reing	
COMMENTS/PROB	.EMS/AGREEMENTS	MADE:				
- NONE -						
TEST DATA: (List liter	n(s) here and record (tetails on appropria	te test data sheet.)			
- NONE-	· · · · · · · · · · · · · · · · · · ·					
VISITORS: (Time, Rej	presenting, Comments)				
- NONE-					;690	
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AILY REPORT	AGERS DESCREES CONSULTAITS
S Feb 87 John Clayport	CONTRACTORS SUPERVISOR: F. Kotzback
OCATION:	WEATHER & TEMPERATURE:
OBNO:	Linds NO 11-HANGA
1739-26-03-05 DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT:
CONTRACTOR	DESCRIPTION NUMBER
Lon Baued In bo sorning	TD G77 hoder
for fines	DESS haden 1
Arilland enclose holds for sen	HE Pase SBIE londer 1
romos and began firming	IH 3984 Backhe 1
	Electromagnet Allachoust Not Used
· ·	
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SUBCUNIMACIUM	MATERIALD; (WUARTITY, FURFOUL)
LM AND GUAR SVED. WATTAR	/umper the consister THIMP?
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OMMENTS/PROBLEMS/AGREEMENTS MADE:	
- ABAIRAN HIBES ALLESTATI	to be sir monitaring semples
- Caller war in the - c and y com	- For Mile Marken
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EST DATA: (List item(s) here and record details on app	propriate test data sheet.)
	file to Air dett
- developed lotus database ;	
- developed lotus database :	
SITORS: (Time, Representing, Comments)	
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SITORS: (Time, Representing, Comments)	

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DAILY REPORT	WESTON WAY WESTONESTER, PA 1 PHONE: (215) 692-303 TELEX: 83-5348	9380
DATE: EL EZ BY:	CONTRACTORS SUPERVISOR: C 11/1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
O PEG 8 4, CLOSPOPI	WEATHER & TEMPERATURE:	
Made Site - Chester, PA.	High Clonds	
JOB NO:	27-320	
0739-26-03-05		
1) CONTRACTOR	DESCRIPTION	NUMBER
- contraved theman to seale 14	AMOS GROVE RTSBA	1
- encavated for water meter bax	TD 977 Lander	1
- continued solting cather tick	Konersu D655 Lander	
- fahilafim of the westing unit	CASE 580 E Enchor	
presering	TH 3984 Backhoe	
	Electromeract Attraliment	Not Used
2) SUBCONTRACTOR: -IH and guad SUG- continue	MATERIALS: (QUANTITY, PURPOSE)	·····
2) SUBCONTRACTOR: - IH and guad SULG- COTTAINS	MATERIALS: (QUANTITY, PURPOSE)	
2) SUBCONTRACTOR: - I'll and guad suit. continue COMMENTS/PROBLEMS/AGREEMENTS MADE;	MATERIALS: (QUANTITY, PURPOSE)	
2) SUBCONTRACTOR: - I'll and guad such continue COMMENTS/PROBLEMS/AGREEMENTS MADE:	MATERIALS: (QUANTITY, PURPOSE)	
2) SUBCONTRACTOR: -III and guad such continue COMMENTS/PROBLEMS/AGREEMENTS MADE: - M. Millinger for flourist 5/1 - M. Millinger for flourist 5/1	MATERIALS: (QUANTITY, PURPOSE)	μ
2) SUBCONTRACTOR: -IH and guad SUG. continue COMMENTS/PROBLEMS/AGREEMENTS MADE: - M. Mellinger to placide Sit memory describing OSHA compared received by a	MATERIALS: (QUANTITY, PURPOSE)	hr w/
2) SUBCONTRACTOR: -IH and guad sub- continue COMMENTS/PROBLEMS/AGREEMENTS MADE: - M. Mellinger to placed by memo describing OSHA comoval regeined by g	MATERIALS: (QUANTITY, PURPOSE)	α/ ω/ tes
2) SUBCONTRACTOR: -IH and guad such continue COMMENTS/PROBLEMS/AGREEMENTS MADE: - M. Millinger to pravide Sit man describing CSHA remnoral required by g	MATERIALS: (QUANTITY, PURPOSE)	ν_ω/ ks
2) SUBCONTRACTOR: -IH and guad such continue COMMENTS/PROBLEMS/AGREEMENTS MADE: - M. Mellinger to floride Site present describing CSHA consocial required by g	MATERIALS: (QUANTITY, PURPOSE)	ν ω/ ks
2) SUBCONTRACTOR: -III and guad such continue COMMENTS/PROBLEMS/AGREEMENTS MADE: - M. Mellinger to floride Site presence describing OSHA connorcal required by g	MATERIALS: (QUANTITY, PURPOSE)	ler w/ tks
2) SUBCONTRACTOR: - I'll and guad SUG. continue COMMENTS/PROBLEMS/AGREEMENTS MADE: - M. Millinger to flavide Site memory describing OSHA connoral regeined by g	MATERIALS: (QUANTITY, PURPOSE)	for wf
2) SUBCONTRACTOR: -JH and guad Sub- continue COMMENTS/PROBLEMS/AGREEMENTS MADE: - M. Millinger to placide Sil Metric describing OSHA removal regained by g	MATERIALS: (QUANTITY, PURPOSE)	άν ω/ As
2) SUBCONTRACTOR: -IH and guad SUG. continue COMMENTS/PROBLEMS/AGREEMENTS MADE: - M. Millinger to flavide Sit malance describing Could malance describing Could responsed by g TEST DATA: (List item(s) here and record details on app - MONE -	MATERIALS: (QUANTITY, PURPOSE)	τ. ω/ tes
2) SUBCONTRACTOR: -IH and guad Such contribute COMMENTS/PROBLEMS/AGREEMENTS MADE: - M. Mellinger to flavide fit presented describing OSHA CONTRACTOR describing OSHA CONTRACTOR describing OSHA CONTRACTOR describing OSHA TEST DATA: (List item(s) here and record details on app - NONE -	MATERIALS: (QUANTITY, PURPOSE)	ν ω/ the ω/
2) SUBCONTRACTOR: -IH and guad SUGE contribute COMMENTS/PROBLEMS/AGREEMENTS MADE: - M. Mellinger the floride Site presence describing OSHA connected regeined by g TEST DATA: (List item(s) here and record details on app - NONE	MATERIALS: (QUANTITY, PURPOSE)	
2) SUBCONTRACTOR: -III and guad SUGE continue COMMENTS/PROBLEMS/AGREEMENTS MADE: - M. Mellinger the flourisk Site patente describing OSUA control regeined by g TEST DATA: (List item(s) here and record details on app - MONE VISITORS: (Time, Representing, Comments)	MATERIALS: (QUANTITY, PURPOSE)	
2) SUBCONTRACTOR: 	MATERIALS: (QUANTITY, PURPOSE)	
2) SUBCONTRACTOR: -IH and guad Suite continue COMMENTS/PROBLEMS/AGREEMENTS MADE: - M. Millinger to flavide Site malence describing Cottle malence describing Cottle removal regeined by g TEST DATA: (List Item(s) here and record details on app - MONE VISITORS: (Time, Representing, Comments) - NONE	MATERIALS: (QUANTITY, PURPOSE)	
2) SUBCONTRACTOR: -IH and guad Such. contribute COMMENTS/PROBLEMS/AGREEMENTS MADE: - M. Mellinger to flavide Site patiento describing OSHA control required by G TEST DATA: (List item(s) here and record details on app - NONE VISITORS: (Time, Representing, Commente)	MATERIALS: (QUANTITY, PURPOSE)	

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			WESTON WAY	10380
	DAILY REPOR		PHONE: (215) 692-30 TELEX: 83-5348	30
	DATE: Ech 87	The Clan and	CONTRACTORS SUPERVISOR: E Klat Ladi	
	LOCATION:	the P.	WEATHER & TEMPERATURE:	
	JOB NO:	BRI, M.	Ven Windy . proto the	
	0739 · 26-03 - 0	DRMED:	PERSONNEL & EQUIPMENT:	
	1) CONTRACTOR	day due to	DESCRIPTION	NUMBER
	wind & hleving a	row - no		
	inspection diving	wolking hars_		
			······································	
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Ļ	2) SUBCONTRACTOR:		MATERIALS: (QUANTITY, PURPOSE)	
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ł	COMMENTS/PROBLEMS/AGRE	EMENTS MADE:		
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E				· · · · · · · · · · · · · · · · · · ·
	TEST DATA: (List item(s) here and	record details on appropriat	le lest data sheet.)	
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ŀ	VISITORS: (Time, Representing, C	ommenia)		
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F				0693
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MANAGERS		
0 Feb 87 April Charger	SUPERVISOR: F. Klotzkach	
LOCATION:	WEATHEN & TEMPERATURE: Mostly Frunny	
IOB NO:		
0739 - 26 - 03 - 05		
) CONTRACTOR	DESCRIPTION	NUMBER
continued terminut on frak	GRAVE RTS81	
sele comps	CASE STOE	
continued serving rable fames	JP977 londer	
continued takication of file	7653 /0Ader #	
WHENNY CARLES	1.L.T. 3707 DATAINE	
	dechamagent attalement	_/
	Crime Fighter storm joury	1
	* not used	
) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
IH and grand sus continue	lumber for formersite	
OMMENTS/PROBLEMS/AGREEMENTS MADE:		
- requested add'l into from	RES 10: technical aparen	tor
thange alder request items	and request to perform	n Planz S
overlapping with 2,4		
	· · · · · · · · · · · · · · · · · · ·	
EST DATA: (List item(s) here and record details on appropria	ate lest dala sheet.)	····
- Ail NATA for samples 0122W	ADOIS OIG and OIZEWAD	007/008/
27WAD 002/003 , 0128 WADOD 3 /00	5 received. Also particul	ste sam -
0105 0107 WADOD5, 0125WAD002, 01	29WAD003,0130WAD005,02	OZWADOD5

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DAILY REPORT	MESTON WAY WEST CHESTER, PA 19: PHONE: (215) 692-3030 TELEX: 83-5348	380
DATE: 12 FERRINGS MART STEVEN ENACONK	CONTRACTORS SUPERVISOR: F. KLOTZBA	 الذر
LOCATION: WADE SITE - CHESTER, PA	WEATHER & TEMPERATURE: OVER CAST, COOL, SUGHT	- SNOWFALL
JOB NO: 0739-26-03-05	·	
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
· ATTEMPTING TO SOLET METAL	CASE 580E	· 1
W / ELECTRIMAGNIET	TH 3984 BACKHOE	
·	W/ELECTROMASNET	<u> </u>
· CONTINUING LOOP ON TRUCK SCARES	KOMATSU DEGESLOADER	1
A TIPE WASH UNIT	D6 DOZER	1
· CONTINUINS TIRE SHREDDING AND	JOHN DER LOADER	1
SORTING ORFRATIONS		
·	l	
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
TH AM Crewner Curren Section		
LITT. AND SECURITY (SUMAS SPRAKAS		
	······································	·····
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
"MENNI WADE "ATTEMPTED TO	ENTER THE SITE APPROXIN	PATERY
2100 PM, WAS ASKED TO THE	<u>S LEAVE THE SITE BY FEE</u>	DELETZBACH
HE THEN LEFT TRAFFIC TAKE	FULLY KOBBET HUEN, MY	
THE INCIDENT	f corn of medic	<u> BACH Qr</u>
TEST DATA: (List item(s) here and record details on appropriate	test data sheet.)	
VISITORS: (Time, Representing, Commente)		
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ATE: 3Feb 1987	John Claspool	CONTRACTORS SUPERVISOR: <u>F. Klotzbach</u>	
WRDE Gite - E	hester, Th.	Winds NW 12-18 mp	
OB NO: 8739 - 26 -0	3-05	Durnay 27-26	
ESCRIPTION OF WORK PI	RFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
armancat u	ater source install	CASE 580 E backhe	
- aliand and	The arthing	IH 3984 backboe	
CONTINUED I UDE	el the sarray	- electromag. termon DLSC la alar	
continued the	chrolding	TD917 lender	
WINTER COM	211/2020.0	Giove RT 58A*	1*
tinished son	ting of ahrned	WIS backing al down	1*
SUMP - begins	the solding sur	2 granple * '	
continued to	fickting Cable		·
WAShins mits	<u> </u>	K not used	
IH And GUM	<u> SKG. COMPAC</u>	· · · · · · · · · · · · · · · · · · ·	
IMMENTS/PROBLEMS/AU	REEMENTS MADE:	nus intents discoced	
ST DATA: (List item(s) here	and record details on appropri	iale iesi data sheet.)	
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		COMONARY AND A CONTRACTOR
DAILY REPORT	WESTON WAY WEST CHESTER, PHONE: (215) 693 TELEX: 63-6348	PA 19380 2-3030
DATE: 41 Ede 87 the Clamor	CONTRACTORS SUPERVISOR: E Kinte ha	h.
LOCATION: <u>WADE Site - Chester, FA.</u> JOB NO: DESCRIPTION - CHESTER, FA.	WEATHER & TEMPERATURE: Mostly Clandy / Light	Winds / 30°
DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT:	
	NO' Equipment used	NUMBER
- continued population of rub.	her laborers	Э
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······································	********	
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOS	iE)
-NONE -		
COMMENTS/PROBLEMS/AGREEMENTS MADE: .		·······
- NONP -		
		·
TEST DATA: (List item(s) here and record details on	appropriate test data sheet.)	
Nore -		
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VISITORS: (Time, Representing, Comments)		
6. Querted, R.F. Western - 11: 1354005 & corrections Attributed Seguerating of Phone S.	10 110 en-site to discuse to	leading Satest
		(:;697

DATE:	CONTRACTORS	
17FE6 87 John Clay	SUPERVISOR: F. Klotzbi	sch
LOCATION: 6 Jula Sile - Charles . Th	WEATHER & TEMPERATURE:	
JOB NO:		
D 739-26-03	PERSONNEL & EQUIPMENT:	
1) CONTRACTOR	DESCRIPTION	NUMBER
- contraved sorting krap in g	111 CASE 580 E GARKhow	<u>e / </u>
and finished so thing me	tal from IN 3984 Gackhoe	
returned loads	-EKENOMAGIOT MOR	
continued the chaldies	TD 577 loader	
	GIONG RT SEA *	1
- continue & tabrications ru	bbe Watner Swasen backer	4 1
Washing units	dem grappier +	
	+ not used	
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE	i)
T.H and guard svcs. cont	ne	······································
	RG	
COMMENTS/PROBLEMS/AGREEMENTS MADE	po nes nemos	
- MET N/ B. Pense on	a conterence colle al D.	Backer re:
	wing primes of Formes &	
TEST DATA: (List item(s) here and record details o	n appropriate test data sheet.)	
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IEST DATA: (List liem(s) here and record details o - Now c- ISITORS: (Time, Representing, Comments) B. Poresc - ICFW - AUC	n appropriate test data sheet;)	1 <u>6.195</u>
IEST DATA: (List litem(s) here and record details o - NONC ISITORS: (Time, Representing, Commente) B. PORSE - ICFW - MM	n appropriate test data sheet;)	<u>SEIJ</u>
EST DATA: (List item(s) here and record details o Now c	n appropriate test data sheet.)	<u>12.73</u> 5

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DAILY REPORT	VEST CHESTER, PA 193 PHONE: (216) 692-3030 TELEX: 83-5348	80
DATE: 2.18.87 BY: R. Allen LOCATION: WADE SITE - CHESTER, BA JOB NO: 0739-26-03	CONTRACTORS SUPERVISOR: <u>FRED KLOTZBRC</u> WEATHER & TEMPERATURE: GUNNY 35-40°F	н
DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
CUTINYED : THE SHARDOING	Case 5804 BALKHOE	1
GUODNE SLAP DEBLIS	241 3984 BACKHOE W/GECANO-	1
	MANNET	
DEBALI REMOVAL + FENCE REDAIR AT REAL	DGI LOODED	
OF SINE .	JD 977 LOADER	/
	GROVE RTERA	
CONSTRUCTION OF GLUBBER_WASHING	WARNER SWASEY BACKHOE	
	W DAIM GAABBUCK	
2) SUBCONTRACTOR: BUARD + IND. HEALTH SERVICES	MATERIALS: (QUANTITY, PURPOSE) Gerl (LES Accords	
COMMENTS/PROBLEMS/AGREEMENTS MADE: VERLORL ABORDAL GIVEN TO F. KLO DEMOLITION WORK (BARSE 5) AT (ERST	говани То Репрола Зоме UNTIL Truck LONDING STA	INTEGUOR
MUNUAN (2-23) & REVIEW + VELISION (IN INTEGRATE PHRSE 5 WILL BE GIVEN TO ADDRESS, DR. W. WAS GIVEN ON C-6	(MATTING) (NO 15-> FREE LEE FRED ON FRIDAY (2-20)	• <u>9</u> 257 <u>1</u> 8
MINUMER DULING WITH PAUND ON DITE	<u></u>	

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TEST DATA: (List item(s) here and record details on appropriate test data sheet.)

NONE

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VISITORS: (Time, Representing, Comments)

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minutaness and some supplies. WESTON WAY WEST CHESTER, PA 19380 PHONE: (215) 692-3030 TELEX: 83-5348 DAILY REPORT DESIGNERS/CONSULTANTS date: 19 Klotzbach Fib 987 1 WEATHER & TEMPERATURE: LOCATION: Sunny, clear skies, cold ~40 4 Sitz Wade (124/572 -JOB NO; 0739-26-03 PERSONNEL & EQUIPMENT: DESCRIPTION DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR NUMBER 580E backhoe ۶ SCROD 1 logding ME boller hous beckhor 3964 lini 4 attad dispusa ectron compet 1 o tisite -1 655 1260 shredding continued 977 locar 1 N 55A (RT Normer Swesey backhor w/ Cuttones Tabrication ٥ 4 nubber washing mobile Noun Unst *11+ 1 sed 2) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) ·TH and guend Sovius antinua RES ÞŰ Nunds COMMENTS/PROBLEMS/AGREEMENTS MADE: VIDICTIM Observed onsite <u>Mmula</u> <u>s †</u> Mechination Clark DISDUSK 10 burlo 1.000 (TT ond -of sing has hanle ofisite TEST DATA: (List item(s) here and record details on appropriate test data sheet.) . -None VISITORS: (Time, Representing, Comments) . Vme 002730 1 j di la constante da la constante da

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	WESTON WAY	
DAILY REPORT	VEST CHESTER, PA 19 PHONE: (215) 692-3030 TELEX: 83-5346	380
DATE: 2-20-87 BY: Q. ALLEN	CONTRACTORS SUPERVISOR: FOLD KLITZBAC	41
LOCATION: WADE SITE - CHESTER BA	WEATHER & TEMPERATURE: CLEAR 31-400	
JOB NO: 0739 - 26 - 03		
Description of work performed: 1) Contractor	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
TIME SHOEDDING	CASE STOK BACKHIE	1
WASHER CONSTRUCTION	TH 3984 BACKHOL	
INTERIOR DEMOLITION	JD 977 LOADER	·····
SCALE INSTALLATION	DESS LOGITER	1
MOVED GOID #41 DIAT BILE	Suntooton	
	 	
موجود المراجع من المراجع		
2) SUBCONTRACTOR	MATERIALS: (QUANTITY, PURPOSE)	
GUDDON + LOD HAS SERVICES CONFILME		
Contract of the states contract		
	l	
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
MET WITH FRED K. F. R. JAFFE	+ REITERATED CONDITIONA	L HOBDOVAL
OF STRATING (HASE 5 WORK HS DU	FLINED IN RES YLAN.	
	······································	
EST DATA: (List item(s) here and record details on appropriate	test data sheet.)	
Norve		
ISITONS: (Time, Representing, Comments)		
YECO OLEPAESE AT DT IVE (JIM LEWIS) (UAS DAJ SITE - 0930-0945	CONLETISING
CONTRACTOR PORTHOE LINE		
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	 To show the second secon	krälatov, _{ki} st ott 200
	WESTON WAY WEST CHESTER, PA 19380 PHONE: (215) 692-3030 TELEX: 83-5348	
DATE: 23 Each 1987 The Charact	CONTRACTORS SUPERVISOR: C Klotzbach	
LOCATION:	WEATHER & TEMPERATURE:	
HAde Site - Charles, Ta.	33-56°	
JOB NO: 1739-26-03-05	Lite received a 15 snow In	sten
DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT:	All (1997)
1) CONTRACTOR	DESCRIPTION	NUMBER
- (BMINGO 62 10AOS OT SONT A	TD 872 1- 1-2	
SZ2 for a	Lose 580 & backboo	
	It 3984 Track has	
- untinued shredding tires	tractor trailers	23
	starmi jenny	1
	sump prop	
······································		
······································		
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
- quard sucs, continue - No In Falmicien today ducto enert	t drums he had dean plastic he have had	cinsete -2
- Home auchiking		
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
TEST DATA: (List item(s) here and record details on appropriate the second	riate test data sheet.)	
- NUNE -		
VISITORS: (Time, Representing, Commente)		
-NONE-		0732

DAILY REPORT	WEST CHESTER, PA 193 PHONE: (215) 892-3030 TELEX: 93-5348	80
DATE: 24 Feb 1987 White Clannol	SUPERVISOR: F. Klotz 6,	ach
LOCATION: Made file - Chester, FA.	WEATHER & TEMPERATURE: Swary / Lt duinds N 5-	15 mph NW
0739.26.03.05	Temp~ 34-45°	
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- removed 20 kods of soil and	Komatsu Loader	1
abber; total weight = 422 for	JP977 Lorder	
	Orse 580E packtive	
- continued shredding tires	TH 3984 track hoe	
۲	RT 58 A crone	
	hactor trackers	20
	steam jenny	
	Shong Punge	- /
· · · · · · · · · · · · · · · · · · ·	france proventies and be	
· · · · · · · · · · · · · · · · · · ·		
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
IH and guard such continue	- plastic tor lining time	le pede
- trucking and disposal		
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
Cheske plater halter by excan	ated his hosting famil	2" main
TEST DATA: (List Item(s) here and record details on appropriate	o lest dala eheel.)	
TEST DATA: (List Item(s) here and record details on appropriate	o lest dala sheet.)	
TEST DATA: (List liem(s) here and record details on appropriate	e lest dala sheet.)	
TEST DATA: (List Item(s) here and record details on appropriate	o lest dala shoot.)	
TEST DATA: (List litem(s) here and record details on appropriate — NONE — VISITORS: (Time, Representing, Comments)	e lest dala sheet.)	
TEST DATA: (List Item(s) here and record details on appropriate -NONE - VISITORS: (Time, Representing, Comments) Jian Lewis & Eact Lee. (PEcco	o lest dala shooi.) - 5:00 - mot rege	-ding
TEST DATA: (List litem(s) here and record details on appropriate -NONE - VISITORS: (Time, Representing, Comments) Jiam Lewis & Laci Lee (PELO, Cerma Vol of color on the mode	e lest dala sheet.) =) 	rding

DAILY REPORT	WEST CHESTER, PA 193 WEST CHESTER, PA 193 PHONE: (215) 392-3030 TELEX: 83-5348	80
25 Feb 1987 John Lano	SUPERVISOR: F. Klotz hock	
LOCATION:	WEATHER & TEMPERATURE:	
Whole Site - Chroster, TA.	54114 - 32-30 P	oh
0739-26-03-05	WINDS IN INTE OFFICIE	
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- landed 17 loads of soll and rates	JD977 Londer	1
Artol weight = 322,64 tons.	D655 11	
	Case SBOE BACKING	
confinence the shredding	Bobert Londer	
	fronter mounted shrower	
Continue of demolition of bollor	I.H -3984 trackhoe	
puilting and marie sander ong.	KTSUR CIDAL	
	to rede bailer	
	TIMIN TIMISE	
SUBCONTRACTOR:	MATEHIALS: (QUANTITY, PUHPOSE)	
CARO THE SUCS. CAPT STANCE	hade & Sulling for fin	La transie
Trucking and Disaver	- OPARENT Just hi Absol	bins H. O
	in freek beds.	
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
- no mare demolitist work o	m bailer building until	ansance
er ales once of aspentes has	een detranica	/
	·	
		······
EST DATA: (List litem(s) here and record details on appropriate	tesi dala sheel.)	
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EST DATA: (List litem(s) here and record details on appropriate	esi dala sheel.)	
EST DATA: (List litem(s) here and record details on appropriate - Non E - ISITORS: (Time, Representing, Comments) KARL Schulec & Charles Swippy	2 tesi dala sheel.)	
EST DATA: (List liem(s) here and record details on appropriate - NonE - SITORS: (Time, Representing, Comments) Khrl Schultz & Charles Scienting Varil Mice (IRFN) to discusse	ne (RES)	

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OCATION: WEATHER & TEMPERATURE: UNNOC Site - Unexter, Fa. WEATHER & TEMPERATURE: 0239 - 28 - 23 - 25 DESCRIPTION 0239 - 28 - 28 - 25 DESCRIPTION 02301 - 26 - 28 State of discuss \$ 10201 - 2 backs of discuss \$ JD 977 Laccober 10201 - 2 backs of discuss \$ JD 977 Laccober 10201 - 2 backs of discuss \$ JD 977 Laccober 11201 - 2 backs (36 bros) \$ F 0000 C 4000 C 1 12020 - 2 backs (36 bros) \$ F 0000 C 4000 C 1 12020 - 2 backs (36 bros) \$ F 0000 C 4000 C 1 12020 - 2 backs (36 bros) \$ F 0000 C 4000 C 1 12020 - 2 backs (36 bros) \$ F 0000 C 4000 C 1 12020 - 2 backs (36 bros) \$ F 0000 C 4000 C 1 12020 - 2 backs (36 bros) \$ F 0000 C 4000 C 1 12020 - 2 backs (36 bros) \$ F 0000 C 4000 C 1 12020 - 2 backs (36 bros) \$ F 0000 C 4000 C 1 12020 - 2 backs (30 bros) \$ F 0000 C 4000 C 40	26 Fob 1987 John Clarnool	SUPERVISOR: F. Kloteban	h
Strict of the second state of the s	CATION: Jack Site - Chesti Pa	WEATHER & TEMPERATURE:	
SP 20 - 20 - 203 PERSONNEL & EQUIPMENT: DESCRIPTION NUMBER JOOTRACTOR ID 977 Locale 1 SOIL - total weight = 58.26 tons ID 655 Londe 1 SOIL - total weight = 58.26 tons ID 655 Londe 1 Jooded 2 Londe (36 tons) = 6 Closes - IN 5284 tonethe c 1 likion debris Bolowt Jonder 1 binished shoulding times w/ rinnes Steam jeense 1 binished shoulding times of closes - Christic for Lines fort beck isubcontractor: MATERIALS: (QUANTITY, PURPOSE) ILA & Guard services contrined - Christic for Lines fort beck - Christic for Lines fort beck - Christic for And dispared - Christic for Lines forts beck - Christic for Material - Christic for Lines fort beck - Christic for Lines forting fort boots - Christic for Lines forting fort beck - Christic for Lines fort boots - Christic for Lines fort boots SUBCONTRACTOR: MATERIALS: (List tem(s) here and record details on appropriate test data she	OB NO:		
CONTRACTOR DESCRIPTION NUMBER Ioracles 2. Islands of disarras # JD 9717 Lorader 1 Scoll - total weight = 53.26 tons JD 655 Lander 1 Stands (Stands) of Cloues - EN 5984 directive 1 Islanderis Rebend Israel 1 Isubcontractor: Rt 58A crane 1 Isubcontractor: Materials: (QUANTITY, PURPOSE) 1 Isubcontractor: - - Isubcontractore: - Isubcontra	DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT:	
Interest weight = 38.26 tons To 655 Lander 1 Scoll - total weight = 38.26 tons To 655 Lander 1 SBO & backhoe 1 Isome devise The SBA chance 1 Isome devise to come to sever 1 Isome devise to come to sever 1 Isome to several several to sever 1 Isome to several several several to sever 1 Isome to several	DONTRACTOR	TD977 Lower	
SBO & brechec / Iscaled 2 (acts (36 tons)) of closes 2 N 5284 strethec / litian delais Bobast (ander 1) litian delais Bobast (ander 1) hinished stredding times w/ mans steam (come 1) // biggen will frace reparies / isubcontractor: MATERIALS: (QUANTITY, PURPOSE) Isubcontractor: - plositic fit liance from from from from from from from from	coll - total weight = 59.26 tons	TI655 Leanles	
lended 2 (ands (26 tros) + Cloues - IN 5984 tractice c likian detris Robert (moder RT 58A crame binished shadding three w/ rimms Steam jeansy tracker traiters bigan sill fearce repairs isubcontractor: Materials: (auantity, purpose) - IA & quard services continued - plaitic for liansy frack back - could for sections that disperal OMMENTS/PROBLEMS/AGREEMENTS MADE: EST DATA: (Liet item(s) here and record details on appropriate test data sheel.) Bittors: (Time, Representing, Commenta)	Contraction and the second second	580 E brethoe	1
likian detris Bibliot forder 1 binished shadding hires w/ rimes Stearm jeanny 1 binished shadding hires Materials: (auantity, purpose) 1 isubcontractor: Materials: (auantity, purpose) - IA & guad services continued - plotic fir have, foot back - - could hi section, this section, this have, foot back - - - Could hi section, this section, this have, foot back - - - Could hi section, this section, this have, foot back - - - Could hi section, this se	landed 2 lands (36 tons) of days.	IH 5984 Arethe	1
RT 58Å crame 1 binished shadding fires w/ rims Steam jeenny 1 bippan with fease repairs 1 could be service embraned - plintic fir lings first beds - could be service embraned - plintic fir lings first beds - could be service embraned - plintic fir lings first beds - could be service properties - could be service properties bipperturber - could be service properties bipperturber - could be service properturber could be service embraned - could be service properturber - could be service embraned - could be service properturber - could be service embraned - could be service properturber - could be service embraned - could be service properturber - could be service embraned - could be service embraned - could be service embrane - could be service embrane	libion dekris	Bobert lander	1
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DATE: 1997 PT: PI	CONTRACTORS	, ,
27 FEB 1781 John Langro	WEATHER & TEMPERATURE	,
LOCATION:	Plaute a remperature:	
INAGE SITE - UNESKER, JA. JOBNO:	Clong 32-73	
DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT:	1
1) CONTRACTOR	DESCRIPTION	NUMBER
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	580 E prethoe	
desmand shreddes traiter	IH 3984 frackhie	1
	Bobcat lender	1
continued demotition of laster	RT 58 A crane	1
heuse and main spredder	Steam : cara	1
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2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	· · · ·
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- continue inact make	aller knise demalition	,
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VISITORS: (Time, Representing, Comments)		
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NONE -	· · · · · · · · · · · · · · · · · · ·	<u>110710</u>

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Ander a new and a new ane	DAILY REPORT	WESTON WAY WEST CHESTER, P/ PHONE: (215) 892-3	A 19380 030
DATE: 2 Min. M. 1987 Min. Chaptert 20000000: 2 Min. M. 1987 Min. Chaptert 2 Min. Market Charleston, Min. Min. Min. Min. Min. Min. Min. Min.		DESIGNERS/CONSULTANTS	
OCATION: II. WEATHER A TEMPERATURE: MARK 1: It Charlet, TA. Pl. Charly - WINDER MARK 1: It Charlet, TA. Pl. Charly - WINDER DOB NO: PIB2-26 DIB2-26 D3-05 Romp no. PUB2-26 DESCRIPTION OF WORK PERFORMED: PERSONNEL & EQUIPMENT: DESCRIPTION NUMBER - 2 lands of temp work landed out TD 977 Lander If direct of these debc: PERSONNEL & EQUIPMENT: Directioneed of these debc: PERSONNEL SECOND Stop of these of these debc: PERSONNEL SECOND Import second of these debc: Stop of conce Stop of decode out Stop of conce <td>DATE: 2 Marty 1987 BAn Climon</td> <td>CONTRACTORS SUPERVISOR: F. Klofzbar</td> <td>4</td>	DATE: 2 Marty 1987 BAn Climon	CONTRACTORS SUPERVISOR: F. Klofzbar	4
MARKE JITE - CROBERT, T.A. Private of the property of the proper	LOCATION:	WEATHER & TEMPERATURE:	make (sc- size)
07197-26-05-05 rescription 0200000000000000000000000000000000000	JOB NO:	Temp N	april a mary
DESCRIPTION DESCRIPTION NUMBER 2 Loads at scape what landed est JD 977 Londer 1 Ar dispand at Brills Bres. D 65 S Loader 1 Ar dispand at Brills Bres. D 65 S Loader 1 Art writt = 27.22 tone TH 3784 brather 1 Art dispand at Brills Bres. TH 3784 brather 1 Art dispand at Brills Bres. TH 3784 brather 1 Art dispand at Brills Bres. 1 1 Continued Art brills Bres. 1 1 Art dispand at I sates 1 1 Art dispand Art sates 1 1 Subcontractore: Materials: (QUANTITY, PURPOSE) 1 Bl and guesd succ. Anterials: (QUANTITY, PURPOSE) 1 Continued Chamber of Decode Art Loaber 1 1 Subcontractore: Materials: (QUANTITY, PURPOSE) 1 Continued Subsciewed Chamber 1 1 Subcontractore: Materials: (QUANTITY, PURPOSE) 1 Contractore: Contractore: 1	0739-26-03-05 DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT:	
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Store Store Store Store Store Store Store Store Store Store Store Store Store Store Store Store Store Store Store </td <td>the august of portille pres</td> <td>TH 8984 hacklase</td> <td></td>	the august of portille pres	TH 8984 hacklase	
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It and quad \$44.5. Continued - plastic by lining finile books - Could by Scaling the papers OMMENTS/PROBLEMS/AGREEMENTS MADE: - Cesteration of the papers Cesteration of the papers Cauld by Construct of Crosser - Cesteration of the papers Cauld by Construct of Crosser - Cesteration of the property leased to Crosser - Cauld by Construct of bridge will be reprinted duit to damage - Cauld by Construct of bridge will be reprinted duit of the construct of	2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
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OMMENTS/PROBLEMS/AGREEMENTS MADE:		- could for sealing ton	Igates
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Crestering of DEPA poperty lettered to City of Crester on South side of bridge will be required duic to damage Caused by use its frack strying area. EST DATA: (List item(s) here and record details on appropriate test data sheet.) - NONE - On ONE -			
Cesteine of DCPA property lensed to City of Crosser In South side. of bridge will be required due to domnege COUSEd by use its truck stoping area. EST DATA: (List item(s) here and record details on appropriate test data sheet.) - NONE - SITORS: (Time, Representing, Commente)			
Image: Standard of the standard	COMMENTS/PROBLEMS/AGREEMENTS MADE:		
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EST DATA: (List liem(s) here and record details on appropriate test data sheet.)NONE - SITORS: (Time, Representing, Commenta)NONE - ANC/7.3'%	COMMENTS/PROBLEMS/AGREEMENTS MADE:	terred to City of the required duic to ing area.	Chroster clannage
EST DATA: (List item(s) here and record details on appropriate test data sheet.) - NONE - SITORS: (Time, Representing, Comments) - NONE - ① ひげつげ	COMMENTS/PROBLEMS/AGREEMENTS MADE: - <u>restouctions of the Property</u> on South side of bridge will b Caused by use as funct stop	lemal to City of the required duic to ing area.	Chester dannege
- NONE - SITORS: (Time, Representing, Comments) - NONE - 介介じげつげ	COMMENTS/PROBLEMS/AGREEMENTS MADE: - (estevation a f DCPA paperty on Seath side of bridge will g - Caused by use as funct stop	lement to City of be required due to ing area.	Cræster dænnege
- NONE - SITORS: (Time, Representing, Commente) - NONE - () () () () ()	COMMENTS/PROBLEMS/AGREEMENTS MADE:	terre to City of	Chrosser clanneg e
SITORS: (Time, Representing, Comments)	COMMENTS/PROBLEMS/AGREEMENTS MADE:	est data sheet.)	Choster clannage
SITORS: (Time, Representing, Comments) - NONE - へのじてうい	COMMENTS/PROBLEMS/AGREEMENTS MADE: - <u>restautions of the Property</u> <u>on Seath side of bridge will a</u> <u>CRUSSED by use as frauk stop</u> [EST DATA: (List item(s) here and record details on appropriate to - NONE -	esi data sheet.)	Chosky clannege
SITORS: (Time, Representing, Comments)	COMMENTS/PROBLEMS/AGREEMENTS MADE: - <u>restouctions of the Property</u> <u>on South side of bridge will a</u> <u>CRUSSED by use as finite stop</u> [EST DATA: (List liem(s) here and record details on appropriate to - NONE -	esi data sheet.)	Chosky dannege
- NONE	COMMENTS/PROBLEMS/AGREEMENTS MADE: - <u>restocation of DEPA property</u> on Seath side of bridge will a <u>CRUSED by USE AS frack stop</u> [EST DATA: (List liem(s) here and record details on appropriate to - NONE -	lans col to City of be required doic to ing area.	Chrosseer
- NONE - 000737	COMMENTS/PROBLEMS/AGREEMENTS MADE:	tensed to City of the regerical dete to ing area.	Crosser dannege
	COMMENTS/PROBLEMS/AGREEMENTS MADE: - <u>(estention of ThEPA property</u> <u>on Seatth side of bridge will a</u> <u>CAUSE of bridge will a</u> (EST DATA: (List item(s) here and record details on appropriate to - <u>NONE</u> -	est data sheet.)	<i>Crossee</i>
	COMMENTS/PROBLEMS/AGREEMENTS MADE: - <u>restaution of DEPA property</u> <u>m Searth side of bridge will</u> <u>COUSE of bridge will</u> (EST DATA: (List item(s) here and record details on appropriate to - <u>NONE</u> -	esi data sheet.)	
	COMMENTS/PROBLEMS/AGREEMENTS MADE: - <u>restoution of DEPH property</u> <u>m South side of bridge will</u> <u>COUSED by use in funct stop</u> EST DATA: (List item(s) here and record details on appropriate to - NONE - ISITORS: (Time, Representing, Comments)	esi data sheet.)	Choske damege
	COMMENTS/PROBLEMS/AGREEMENTS MADE: <u>CESTEINTIONS of DEPA property</u> <u>Seath side of bridge will a</u> <u>CRUSED by LOSE as frack stop</u> EST DATA: (List item(s) here and record details on appropriate to <u>- NONE -</u> ISITORS: (Time, Representing, Comments) <u>- NONE -</u>	esi data sheet.)	<u>Croster</u> domese
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	OMMENTS/PROBLEMS/AGREEMENTS MADE: (esteintion of DEPA property on South side of bridge will b EMUSE of by use as finite stop ST DATA: (List item(s) here and record details on appropriate t - NONE - SITORS: (Time, Representing, Commente) - NONE -	esi data aheet.)	Crossler claminge

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DATE: 3 March 1987 John C. Cherry J.	CONTRACTORS SUPERVISOR: F. Klotzback	Ł
LOCATION: WADE Site - Chester, PA.	WEATHER & TEMPERATURE:	
0139-26-03-05		
DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
Ceset a cid mints	D977 Losder	· /
<u> </u>	D655 Londe	
leaded & loads of supp for	TH 3584 Trackhoe	
disand: weight= 19.94 tons.	580 6 brethre	1
	Bobast loader	1
loaded 2 londs of crushed drums &	RT 58 A come	1
soil for disparel at 65x - weight = 45.27	steann jenny	
In the and below ations of the allochers		-
CANTINATO TROITCATION DI SILE VIISIO 2		
silt fence repairs initiated		
	MATERIALS / AUANTITY DURPOSE	
	MATERIALS; (WUARTITT, FURFUSE)	- · · · · · · · · · · · · · · · · · · ·
TH And guard services contract	- haing tol track peas	
AT HAT THE THE THE AT T	- LANDE THE SERVING THE	
· · · · · · · · · · · · · · · · · · ·		
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
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COMMENTS/PROBLEMS/AGREEMENTS MADE: 	e lesi dala sheet.)	n lagbook
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COMMENTS/PROBLEMS/AGREEMENTS MADE:	e tesi data sheet.)	n /cp600£

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ATE: 3-4-87 BY: R. Aller	CONTRACTORS SUPERVISOR: FRED KLOTZBACK	<u> </u>
WADE SITE - CHESTER, BA.	WEATHER & TEMPERATURE:	
ob no: 0739 - 26 - 03 - US		
ESCRIPTION OF WORK PERFORMED: CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- HAUL OUT SCRAP	DA17 LODGER	1
· CLEAN VP MISL. DEBAK (REMAINING TIRES,	D655 Londen	
Causuen Davins, Erc.)	SH 3984 TRACKHOE	
SILT FENSE VEPPIE	SOE BACKHOK	
SOIL EXCAVATION (GRIVE 14511)	AT JOA CRUNE	
	DOUCAT LOAVEL	
	·	
SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
GUARD + ILL CIMVICES		
DEMOLITION/SCRAB HAULING		
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J. MARTINO DN SITE FOR WEST	EN TODAY.	
CHEM- CLEAR REPRESENTATIVE COLL	Ruman A SAMPLE OF DECO	IN INTER .
ST DATA: (List item(s) here and record details on appropriate	test dala sheet.)	
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CTRANEN MENDIKAN (CHESTUR CITY	PLANNING) i JABED OFF LE	TTER ILE
PERSONALI DE THIM. STREINE AND		
LECTOCATION OF THUS STAGING ATLE		

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DAILY REPORT	WESTON WAY WEST CHESTER, PA 11 PHONE: (215) 892-3030 TELEX: 83-5348	9380
DATE: Marila 1987 Mas Charles	CONTRACTORS SUPERVISOR: F. Klotebach	
LOCATION	WEATHER & TEMPERATURE:	
While Site - Chester, IA.	High Torrip ~ 450	
0739-26-03-05	Lt. Winds	
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- 4 loads of scrop metal loaded	D977 LaAde	1
out for disposal, weight = 21.56 tons.	D655 Londer	
	IH 3984 trackhoe	1
- continued tobrication of rubber	580E backhoe	/
washing mits	Bilat londer	/
	RT58A CLANE	
- began sumping down undercound	Steam jenny	/
shippe tonk contents - removed	diaghrogon anne	3
I load (5000 gallors) of waste water.	Ail compressor	
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2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	<u> </u>
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UNITED LINES (UNITED STATES CONTACTORS (UNITED STATES)) MARCA 1987 (UNITED STATES) DICATION: MARCA 55;4 - Checke, 72. MARCA 5;4 - Checke	UNITED UNITED STATES CONTRACTORS CONTRACTO	DAILY REPORT	VESTON WAY WESTON BET CHESTER, PA 193 PHONE: (215) 692-3030 TELEX: 83-5346	30
LUCATION: // WEATHER & TEMPERATURE: JURIC: Sife - Checker, TR. Missify Cloudy, Mindy (Mindy (Mindy dir)) JOB NO: PERSONNEL & EQUIPMENT: DESCRIPTION OF WORK PERFORMED: JOCHTRACTOR PERSONNEL & EQUIPMENT: DESCRIPTION JOCHTRACTOR PERSONNEL & EQUIPMENT: NUMBER JURICHTAUES JOHTACTOR JOHTACTOR I JURICHTAUES Generation of MURIC / Andre / MARC JOHTACTOR I JURICHTAUES GENERATURE / Andre / MARC I JOHTACTOR I JURICHTAUES / Andre / MARC SERTION / EMARCHORS I JOHTACTOR I JURICHTAUES / MARCHORS / MARCHORS GENERATURE / MARCHORS I JOHTACTOR I JURICHTAUES / MARCHORS GENERATURE / MARCHORS JOHTACTOR JOHTACTOR JOHTACTOR JURICHTAUES / MARCHORSE	LUCATION: LUCATION: MARGE Site - Chester, TA. Martin Cready, Hindy (NAVIALE die) MARGE Site - Chester, TA. Martin Cready, Hindy (NAVIALE die) DB 35: 26 - 03 - 05 DESCRIPTION OF WORK PERFORMED: DESCRIPTION OF WORK PE	Arte: 9 March 1987	SUPERVISOR: F. Klotzbach	
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- Mac Hunck: services COMMENTS/PROBLEMS/AGREEMENTS MADE: - henry winds led to serve dust problems - RES will institute dust controls termaner. - PECO stated line wolk on faround site. - PECO stated line wolk on faround site. TEST DATA: (List item(s) here and record details on appropriate test data sheet.) - NONE - -NONE - -NONE - - NONE - - NO	- VAC Huck Services COMMENTS/PROBLEMS/AGREEMENTS MADE: - hearing winds led to serve dust problems - RES will instribute - dust controls termorread. - PECO static line walk on faround site. TEST DATA: (List Hem(s) here and record details on appropriate test data sheet.) - NONE - VISITORS: (Time, Representing, Comments) LOENA SHULL - EPATE - Site Visit ~ 2:00 pon (19):77	demotition trans & disposal	- sand for filling for	k. '
COMMENTS/PROBLEMS/AGREEMENTS MADE: - henry winds left to sever dust problems - RES will institute dust controls termorread. - PECO statical line walk on facound site. TEST DATA: (List item(s) here and record details on appropriate test data sheet.) - NONE - //SITORS: (Time, Representing, Comments) LORNA SHULL - ELASTE - Site Wisit ~ 2:00 pon (100 ma	COMMENTS/PROBLEMS/AGREEMENTS MADE: - henrin winds left to sever dust problems - RES will institute dust controls termaneed. - PECO statted line wolk on faround site. TEST DATA: (List Hem(s) here and record details on appropriate test data sheet.) -NONE - VISITORS: (Time, Representing, Comments) LOENA SHULL - ELASTE - Site Visit ~ 2:00 pm (19):77	VAC Huck services		
- blann winds led to sever dust problems - RES will institute dust controls termanoch. - PECO static line walk on facound site. TEST DATA: (List liem(s) here and record details on appropriate test data sheet.) -NONE - //SITORS: (Time, Representing, Commente) LORNA SHULL - ELASTE - Site Wisit ~ 2:00 pm	- heavy winds led to severe dust problems - RES will institute dust controls termaneed. - PECO started line work on farmed site. TEST DATA: (List liem(s) here and record details on appropriate test data sheet.) - NONE - VISITORS: (Time, Representing, Comments) LOENA SHULL - EPATE - Site Visit ~ 2:00 pm (11)() 77	COMMENTS/PROBLEMS/AGREEMENTS MADE:	L	
- PEUD statted line work on forward site. TEST DATA: (List item(s) here and record details on appropriate test data sheet.) -NONE - VISITORS: (Time, Representing, Comments) LORNA SHULL - EIA JUL - Site Wisit N 2:00 pm (100 mm	- PECO static line work on farmed site. TEST DATA: (List liem(s) here and record details on appropriate test data sheet.) -NONE - VISITORS: (Time, Representing, Comments) LORNA SHULL - EPATT - Site Visit ~ 2:00 pm (11)() 77	-henry winds led to sever dus dust controls termomous	t publicus - RES will	institute
TEST DATA: (List item(s) here and record details on appropriate test data sheet.) -NONE - VISITORS: (Time, Representing, Commente) LORNA_SHULL - ELASTE - Site Wisit = 2:00 pm (100000)	TEST DATA: (List liem(s) here and record details on appropriate test data sheet.) -NONE - VISITORS: (Time, Representing, Comments) LOENA SHULL - ELATE - Site Visit > 2:00 pm (11) () (7 =	- PECO started line wolk on,	lacound site.	
-NONE- VISITORS: (Time, Representing, Commente) LORNA_SHULL - ERATE - Site Visit ~ 2:00 pm (100 ma	-NONE- VISITORS: (Time, Representing, Commente) LORNA SHULL - ELASTE - Site Visit ~ 2:00 pm ()()()71	TEST DATA: (List item(s) here and record details on appropriate	test dala sheet.)	
VISITORS: (Time, Representing, Commente) LORNA SHULL - ERATE - Site Visit ~ 2:00 pm	VISITORS: (Time, Representing, Comments) LORNA SHULL - EPATT - Site Visit ~ 2:00 pm ()()()()()()	-NONE-		······
LORNA SHULL - EPATT - Site Visit ~ 2:00 pm (10000-	LORNA SHURL - EPAM - Site Visit ~ 2:00 pm	VISITORS: (Time, Representing, Comments)		······································
		LORNA SHURL - EPATT - SH	te Visit ~ 2:00 pom	0000

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DAILY REPORT

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WESTON WAY WEST CHESTER, PA 19380 PHONE: (215) 692-3030 TELEX: 83-5348

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DATE: 2-10-87	BY: A ADD.	CONTRACTORS SUPERVISOR:	
2"10"0/	N. Arcen	ATHER & TEMPERATURE:	LBACH
WANE SING ~ (ULCTHA RA.		
JOB NO:			
0739-26-0	3-05		
DESCRIPTION OF WORK PER 1) CONTRACTOR	FORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- FINISHED VILDERGA	OUND TANK WORK	D477	1
- SINTING & GROIN	6 SCARP	<u>0615</u>	
- DRIVED Holes	IN CONCLETE VADS	BOBLAT	
- SOLL BACAVATIO	2	CRANE	
- FABALICATION OF C	Lucien Washing Glub-	BACKHEE #	<u> </u>
ment		TRACKHOE	
Parend 7 / 10	1		
- KCITIGOO & JAFO	5 5CIMU - 11.60 TIM2		
· KCATTATOU U JANE	5 6004 - 23.30 10000	* . Wellungannie gam	
		" L W HYDERVAL ANT	
······································	·····		
2) SUBCONTRACTOR:		MATERIALS: (QUANTITY, PURPOSE)	
GUARD + IL S	EQUICES		
SCRAP /DEMO HAVE	UNC		
COMMENTS/PROBLEMS/AGR	EEMENTS MADE:		
Lane DARA DI	C A. MARTE FROM TA	Istandard Illas R	PUCALED RH
C. EXCONATION /	AT PLACE OF CITE -	EVENNELL WILL NOT O	EVERLED VI
This AREA UNTIL.	A DECISION IS MADE	AN INHAT TO DO WITH 1	FUE CONCRETE
		X/~	
PELD WORKING	ON KENDUTING OF ADU	en line.	
TEST DATA: (List item(s) here an	nd record details on appropriate f	iest data sheet.)	
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······································			
VISITORS: (Time, Representing,	Comments)		
And the function of the functi		······································	
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surger and the second WESTON WAY WEST CHESTER, PA 19380 PHONE: (215) 692-3030 TELEX: 83-5348 DAILY REPORT DESIGNERS/CONSULTANTS CONTRACTORS SUPERVISOR: <u>F. Klofzbach</u> WEATHER & TEMPERATURE: DATE 11 Marcu 1987 4, MI LOCATION: Mostly Sumny Winds NE - busk Wale Site - Chester JOB NO: 0739.26.03.05 DESCRIPTION OF WORK PERFORMED: PERSONNEL & EQUIPMENT: 1) CONTRACTOR DESCRIPTION NUMBER -removed 3 kads of surprotein D977 loader and deb is - total weight = 14.71 tons. D655 londer Bobert InAle continued tobication of the Crane Washing units Case 580 E battare 2 Ranstoe Attachiment begon excavating new first the IH 3984 Hrackhoe 1 stern jenag besare reason quid equipment removed I land weed; 17.37 torrs 2) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) -IH and quail sus continued - demotition frans i disposed COMMENTS/PROBLEMS/AGREEMENTS MADE: - off-site over problem due to excernation behind guard finiter Incomed monitoring scheduled to tomoccert. - PELO crew continues line work m- site TEST DATA: (List Item(s) here and record details on appropriate test data sheet.) h. Na dota per logback - semple asilya Dooy on North force to be anolyacd by 3:30 tomeron. VISITORS: (Time, Representing, Comments) Steve Potner - RES 110714 4 ;

DAILY REPORT	WESTON WAY WEST CHESTER, PA 183 PHONE: [215)682-3030 TELEX: 83-5348	60
DATE: DATE BY MANAGERS		
3/12/8/ Minc Ray prort	WEATHER & TEMPERATURE:	
NRE SIFE - CROKE, TA. JOB NO: 1739 - 26 - 03 - 05		
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- balad & lands crushal diams & A	112. 977 Lande	1
makins - 38.89 tons;	D655 Lander	(
- Jacoded I land weat I debis - H. T.	tos Bolocat lander	
- Junded large metal quinding of	in Crane	
ento SKIOS duno trailer - to be	Case 580 E proceme	
+1 ATTS WICO OF F -51 HE 3/1 5/181.	TH 3084 backlase	
	Cleann jenna	
	afunce per p	
·		
2) SUBCONTRACTOR	MATERIALS (OLIANTITY RURROSE)	
TH and and and antis continue		
Haz. Waste T& D		
SUMP HILD TEP		
- Fire allited while beach cutting	ng large equipment on save	V lankoy.
TEST DATA: (List item(s) here and record details on approp	priate test data sheel.)	
VISITORS: (Time, Representing, Comments)		
		the second se

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ATE: March 1987 BY: MF. Marty	, CONTRACTORS F. KATA ba	ch
OCATION: Wade Ste- Chroter, PA 100 NO: 2729, 26-03-05	Mostly Sunny, C Wind's NE	hilly
DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
removed 3 loads of scrap metal	D977 locan	· (
and debrus; 44,93 tons	D 655 loader	
	Bobcat looden	l
continued passication of The	And Frink / KI	/
WASHERS	TL/ 2984 The Khich	<u>`</u> Z
continued remaining grind	track hac	(
equiprent and het cathing	steam yenny	1
screpping soil new fort fince		
SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	(
- IH and guard services		
demoliture to origint and disposal		
OMMENTS/PROBLEMS/AGREEMENTS MADE:	······································	
- absenced maniture NC	1 autrile cite frach	under
bridge which wes	nlecked	
- approved et izues of	protection required the	· · · · · · · · · · · · · · · · · · ·
ST DATA: (List item(s) here and record details on appropria	te lest data sheet.)	
SITORS: (Time, Bentesenting, Commente)		
	/ 1	
1/2 MI 102 mag - 15 ES (1	rpirate samty	(100718
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DATE: BY: A AL		
16 March 1987 from Ellayort f.	SUPERVISOR: F. Klotz MAL	
Wate Site - Cheska, PA.	34-47° Sunn	
0739-26-03-05	WINDS N-NE 10-21 mp	4
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- Continued ensuretion is goids 192	977 Cipule	
clashing the sales of allow while	TH 2004 december	
units	Crane	
- Londed 3 lands surp; 41.32 tons.	bobcat (under oppic)	1
Complet according 201 h. 11. log	CASE STOE N/ CAMPAGE	
PINIShed Reservicing - Huloway Think	Steam jenan	1
- Londed & lands wood; 30.36 tons	· · · · · · · · · · · · · · · · · · ·	
·····		
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	. <i>i</i> . <i>i</i>
I H and guard svies, continue	- garden pase to dust	Antrol Anch nikes
clectical work on rather washing with	/	
- 45 C marking the form		
- H 2 2 MOGTING TACKY to discus	Ack of Addicate to p	na hace to
	· · · · · · · · · · · · · · · · · · ·	
	lasi data ahasi \	
TEST DATA: (I ist lism(s) here and record details on annualist		
TEST DATA: (List item(s) here and record details on appropriate		
TEST DATA: (List item(s) here and record details on appropriate		
TEST DATA: (List litem(s) have and record details on appropriate	······································	······
TEST DATA: (List litem(s) have and record details on appropriate		
TEST DATA: (List litem(s) have and record details on appropriate		

DATE: 1 1000 Pt P.P.	CONTRACTORS	,
18 Marca 1987 Mar Clayer 1.	SUPERVISON: F. KINTEGALL	·
LOCATION:	WEATHER & TEMPERATURE:	
MADE TITE - URESICE, TA.	Junny - forout	no fr
100 NO: 1739 - 26 - 03 - 05	Winds 10 / 10 10 10 15 17	
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
-begpa exicustini grid HI	977 Jonder	1
	D655 loadar	1
- continued tabacation of the war	1 Crone	
	I H 3984 trackhuc	1
- relaced webuche decon pad	CASE 580E backtoc	2
	Ramhoe Attachment	1
- continued tout remaind in	bobcat londer	1
office bldg.	sterm jenn	1
	disphragms pump 5	2
- londed loads of debis for	miliamaressor	
disposal @ Petullo tens.		
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
- I H and guadsoul inchase	- plashe sheeting her con	ting see
- Stocking with he has a machine	- Calle for dist control	<u>/ '</u>
GIECTINE WIN IN THE INTRES		
· debiis TS P		
COMMENTS/PROBLEMS/AGREEMENTS MADE: - But strinless steel durins - Aut strinless steel durins - Aut st	of farming the SCH CA	comotore. Kilv
COMMENTS/PROBLEMS/AGREEMENTS MADE: - four stringless steel dimms - four stringless steel dimms - four strid 41 - 2 pilled poor Nust	of Faminy 12 Say en etcist makes of coment	- Kilo
COMMENTS/PROBLEMS/AGREEMENTS MADE: - four stringless steel dimens - four stringless steel dimens Dr. Grid 41 - 2 pilled som Nust TEST DATA: (List liem(s) here and record details on appropria	of firming its Say en etrist makes of coment in lesi dala sheet.)	Cumbre
COMMENTS/PROBLEMS/AGREEMENTS MADE: - four stricters of eer dimens - four stricters of eer dimens In Grid 41 - 2 pilled com Musit TEST DATA: (List item(s) here and record details on appropria	to test data sheet.)	cumfere kilv
- deb.ris T\$ D COMMENTS/PROBLEMS/AGREEMENTS MADE: hun stringless steel draws DA Grid 41 - 2 pilled part Cust TEST DATA: (List litem(s) here and record details on appropria	to test data sheet.)	cumfere.
- Deb.ris T\$ D COMMENTS/PROBLEMS/AGREEMENTS MADE: Duris Stringless steel dimens Dig Grid 41 - 2 pilled Deal Nusst TEST DATA: (List liem(s) here and record details on appropria - NONE	to test data sheet.)	A to

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mathematic and the second WESTON WAY WEST CHESTER, PA 19360 DAILY REPORT PHONE: (215) 692-3030 TELEX: 83-5348 DESCHERS/CONSULTANTS IN MARK CONTRACTORS SUPERVISOR: F. Klotebach DATE: 17 March 19 WEATHER & TEMPERATURE: LOCATION: site – Cheskel Sunny ? CleAR 32-51° WASE HEAVY WIRDS - N/NW 15 mph JOB NO: 8739-26-03-05 PERSONNEL & EQUIPMENT: DESCRIPTION DESCRIPTION OF WORK PERFORMED: NUMBER 1) CONTRACTOR 971 crawler remared size insidation in worden 1 bly and began removal of all tones D655 CIANIC personient Crane TH 3984 HACKAIC eastituted dust controls - seplied CARE SBOE LAR KINC z Calle to wat takes can be attachment 1 totat under repail 1 finished 5' enveration in grid # 2 steam jourg - resurveyed center of site continued fabrication fire westers 2) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) - alastic for accering soil shakeriles THI GARIS SICE. Continue depair transact & disposel londs Call. for dust intral - to tal weight = COMMENTS/PROBLEMS/AGREEMENTS MADE: broke cover slot on pipe from al samboe RES requested to use Chenn Clone to Was Harris disposed 165 intends to use tramputer for soil not included in original paperal - RES to provide qualifications. TEST DATA: (List item(s) here and record details on appropriate test data sheet.) on wastewater in holding franks from Chem Clear - CATA andyses received VISITORS: (Time, Representing, Comments) - C. Swinkern, RES 1

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DATE: BY: 15	CONTRACTORS SUPERVISOR: E VIOTARA	
LOCATION:	WEATHER & TEMPERATURE:	<u>CH</u>
WADE SITE - CHESTER, PA	_ SUNNY & CLEAR 7 35	-55°
0139-26-03-05	SLIGHT BEGEZE	
DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
	IH 3984 TRACKHOE	-1-
· LOADING AND PERESSING	CASE SPOE BACEHOE- LOADER	-1-
TRUCK TEALLERS WITH	KOMATSU D665 F.E. LOADER	-1-
DESCIS & SOIL WAS MAIN	D-6 Dozer w/Scoop	-1-
ACTIVITY /14/0A05: 609.740=	USS H550 BACHDE WIPMEN	-1-
	GALLON CRANE ¥	-1-
SMALL AMOUNT OF EXCAUNTION	,	
WORK WAS CONDUCTED AT	BOBCAT IN ACTIVE	
BRIDEPITS		
	P NOT USED	
KEMOUNG PESIDUE From SUDS	-	
	materials; (UVANIIIT, PUNPUSE)	<u></u>
- 1H & SECURITY GUARD	VISAUEEN TOR LIVE	NG IBUCKS,
TRUCES - ON SITE	FEST PER KES K	ECO2DS
TRANDOT & DECENS	·····	
OMMENTS/PROBLEMS/AGREEMENTS MADE		
	· 	
	·	
	·	
		······································
DATA: (List liem(s) here and record details on appropriat	e test data sheet.)	
NONE		
SITORS: (Time, Representing, Comments)		
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201 Toks WEATHER & TEMPERATURE: MARE Srite - Checker, Fr. Checky, H. + + + + MARE Srite - Checker, Fr. Checky, H. + + + + JOB NO: 07355 - 26 - 03 - 05 DESCRIPTION OF WORK PERFORMED: PERSONNEL & EQUIPMENT: JI CONTRACTOR PERSONNEL & EQUIPMENT: - localed / local Still (40,020 (ks). EH 3954 Acaelsec - localed / local Still (40,020 (ks). EH 3954 Acaelsec - localed / local Still (40,020 (ks). EH 3954 Acaelsec - localed / local Still (40,020 (ks). EH 3954 Acaelsec - localed / local Still (40,020 (ks). EH 3954 Acaelsec - localed / local Still (40,020 (ks). EH 3954 Acaelsec - localed / local Still (40,020 (ks). EH 3955 (local - - localed still (10,020 (ks). EH 3955 (local - - Continued coulding stills Bolgoot (oscelare) - Continued coulding stills Still (oscelare) - Continued coulding stills Still (oscelare) - Contractore: Naterialsti (ouantity, purpose) <t< th=""><th>DATE: 01 Marcha 1887 Min Clanal</th><th>CONTRACTORS SUPERVISOR: F. Klotz 600</th><th>h</th></t<>	DATE: 01 Marcha 1887 Min Clanal	CONTRACTORS SUPERVISOR: F. Klotz 600	h
Aldob Site - Chester, TA. CAMby, 40.45°, Nindy, Lt. Rail JOB NO: 07359 - 26-03 - 25 DESCRIPTION OF WORK PERFORMED: PERSONNEL & EQUIPMENT: I) CONTRACTOR PERSONNEL & EQUIPMENT: DISCONTRACTOR PERSONNEL & EQUIPMENT: I) CONTRACTOR PERSONNEL & EQUIPMENT: I) CONTRACTOR PERSONNEL & EQUIPMENT: I) CONTRACTOR PERSONNEL & EQUIPMENT: II CONTRACTOR II And Suil (40,020 /65). II CONTRACTOR II And Suil (40,020 /65). II CONTRACTOR II And Suil (40,020 /65). II CONTRACTOR II And Suil Show II CONTRACTOR: II And Suil Show II CONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) II and guard suces. II And Suil Suces. II and guard suces. II Superior for lining thucks II and guard suces. II Superior for lining thucks II and guard suces. II Contractor for lining thucks II and guard suces. II Contractor for lining thucks III and guard suces. II Contractor for lining thucks III and guard suces. II Contractor for lining thucks III and guard suces. II Contractor for lining thucks	LOCATION:	WEATHER & TEMPERATURE:	
DTSS - 26-03-05 DESCRIPTION OF WORK PERFORMED: 1 (ONTRATOR - londed lond sull(40,020 (bs). TH 3954 Hackbec - londed lond sull(40,020 (bs). Exception - londed lond sull(40,020 (bs). - londed lond sull(40,020 (bs). - londed lond sull(40,020 (bs). - londed long sulls - londed sulls - the sullensing long sulls - the sullens	WADE Site - Checke, T.A.	Clandy, 40-45 Nindy	, Lt. RAIN
DESCRIPTION OF WORK PERFORMED: 1 CONTRACTOR - lorded / lord Scill(40,020 lbs). TH 3954 Hackhec - lorded / lorde Scill(40,020 lbs). TH 3954 Hackhec - lorded box the fill of the state	0739-26-03-05		
- londed / land sul (40,020 (bs). IH 3984 Arackhec / Chec 5066 backhec / Plack ich panols of molished STI lander / Plack ich panols of the backhec / Plack ich panols of the backhec / Plack ich panols of the back ich part of the backhec / Plack ich panols of the back ich panols ich to panols ich to panols of the back ich panols ich to	DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
Cinc 508 E backhe / - Altechrical panols demonished 977 Indon / P655 Inder / P655 I	- loaded 1 load Sul (40,020 165).	IH 3984 frackhoe	/
electrical panels demolished 977 leader 1 P655 Inteler 1 P7000 Inteler 1		CASE STORE GARKING	
P655 Inder I - Continued cubiting siles Gallon Cranc. I Beb cat Ionde fine. I Beb cat Ionde fine. I - Continued fabrication of fine. H/S H550 Heather. I - Until augs of fabrication of fine. H/S H550 Heather. I - Until augs of fabrication of fine. H/S H550 Heather. I - Until augs of fabrication of fine. H/S H550 Heather. I - Until augs of fabrication of fine. H/S H550 Heather. I - Until augs of fine. I I I - Continued augs of suces. I III and guard suces. I - Transport & Ci spessed suces. I IIII and guard suces. I - Transport & Ci spessed suces. I IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	electrical panels demolished	977 leader	
- Continued cubbing siles Eallon Crance / Bob cat londer fine / Bob cat londer fine / Bob cat londer fine / Bob cat londer / Bob cat londer / Bob cat londer / Bob cat londer / I support in grids of fine / Bob cat londer / I support files // Bob cat londer / Bob cat londe		P655 lunder	
The product for the second details on appropriate test data sheel.) Image: Second second details on appropriate test data sheel.)	- Continued cutting siles	Calon Crane	
LOTTIANES +PO/ICATION OF FIRE W/S H 550 Hackhoe Witho marks Storm j wang White marks Storm j wang - Encanneld in gride 11, 31 and 50. 2) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) "If and guard suce, conthemed Visgacen to lining Hucks "If and guard suce, conthemed Visgacen to lining Hucks "It and guard suce, conthemed Visgacen to lining Hucks "It and guard suce, conthemed Visgacen to lining Hucks "It disposed suce, conthemed Visgacen to lining Hucks "It disposed suce, conthemed Visgacen to lining Hucks "It declinician periced of clastics - to be contacted next week." TEST DATA: (List lism(s) here and record details on appropriate test data sheel.) "TCB doth (rackd) Hamsmiked to #C "ISITORS: (Time, Representing, Comments)		Bopcat londer (inactive)	
UNBERGY and the series of t	Contraves tobrication of fire	W/S 14550 trackhoe	
excanded in grids 411, 311 and 50. a) SUBCONTRACTOR: If and guard sucs. cert thened If guard sucs. COMMENTS/PROBLEMS/AGREEMENTS MADE: If Hellminian reliand of defines - to be replaced next week. TEST DATA: (List item(s) here and record details on appropriate test data sheet.) - TEB data (racket) transmited to the test NBITORS: (Time, Representing, Comments)	WASHO WAITS	stehn juang	
2) SUBCONTRACTOR: 2) SUBCONTRACTOR: 2) MATERIALS: (QUANTITY, PURPOSE) 2) MATERIALS:	excavold in side 41. 34 and 50.		
2) SUBCONTRACTOR: If and quard suces, contributed If ganeral for the suces, Interpret for speech suces, COMMENTS/PROBLEMS/AGREEMENTS MADE: TH technician relieved of during - to be replaced next week. TH technician relieved of during - to be replaced next week. TEST DATA: (List Hem(s) here and record details on appropriate test data sheet.) - TCB doth (rechn) frammind to DEC			
2) SUBCONTRACTOR: MATERIALS: (ddAntit, publics) - It and guard sucs. cert timed Visgacca for lining Hucks - transport & Ci sposed sucs. COMMENTS/PROBLEMS/AGREEMENTS MADE: 			
It and guilt sucs. Isgace It It it in ing Huilts - frittiget & ci spesal sucs. Isgace It It it in ing Huilts COMMENTS/PROBLEMS/AGREEMENTS MADE:	2) SUBCONTRACTOR:	MATERIALS: (GUANTITT, PURPOSE)	
COMMENTS/PROBLEMS/AGREEMENTS MADE: COMMENTS/PROBLEMS/AGREEMENTS MADE: TH technician pelicaed of dautics - to be replaced next week. TEST DATA: (List item(s) here and record details on appropriate test data sheet.) - TCB data (recht) francomited to pele VISITORS: (Time, Representing, Comments)	LA and qual syls, Contrauco	Visqueen Tor lining true	es
COMMENTS/PROBLEMS/AGREEMENTS MADE: TH technician pelicited of derive - to be replaced next week. TEST DATA: (List Hem(s) here and record details on appropriate test data sheel.) - TEB data (restal) transmited to per	TINTINT & CI SPOSAT SUCLE.		
COMMENTS/PROBLEMS/AGREEMENTS MADE: TH technician peliceed of douting - to be repliced next week. TEST DATA: (Liet Hem(a) here and record details on appropriate test data sheet.) - TCB dath (recht) transmited to the constant of the test data sheet.)			
TH technicism relieved of dentice - to be replaced ment week. TEST DATA: (List liem(s) here and record details on appropriate test data sheet.) - TEB data (recht) francomited to pee			
L. T. TELEVILL (LAPPA, JEILCAEC of Contract - TO DE INFINCES MENT AREK. TEST DATA: (List item(s) here and record details on appropriate test data sheet.) - TEB data (recht) francomified to TEEL - TEB data (recht) francomified to TEEL - NSITORS: (Time, Representing, Comments)	COMMENTS/PROBLEMS/AGREEMENTS MADE:		
TEST DATA: (List item(s) here and record details on appropriate test data sheet.) - TCB data (recht) Hamamited to DER NSITORS: (Time, Representing, Comments)	COMMENTS/PROBLEMS/AGREEMENTS MADE:		
TEST DATA: (List Hem(a) here and record details on appropriate test data sheet.) - TCB JATA (recht) HERE HSITORS: (Time, Representing, Comments)	COMMENTS/PROBLEMS/AGREEMENTS MADE:	ica - to be replaced ne	trat.
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- TCB JATA (recht) HARSANITED TO TEL VISITORS: (Time, Representing, Comments)	comments/problems/agreements made: TH technicism pelicied of cloth	tice - to be replaced ner	+ hæt.
VISITORS: (Time, Representing, Comments)	COMMENTS/PROBLEMS/AGREEMENTS MADE: TH technician pelicet of clost (List Nem(a) here and record details on appropriate	test data sheet.	<i>t hat.</i>
VISITORS: (Time, Representing, Comments)	COMMENTS/PROBLEMS/AGREEMENTS MADE: TH technician peliced of dont. IEST DATA: (List Hem(a) here and record details on appropriate TEST DATA: (List Hem(a) here and record details on appropriate	hice - to be replaced ner test data aheol.)	<i>t hæk</i> .
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- NONE-	COMMENTS/PROBLEMS/AGREEMENTS MADE:	hice - to be replaced ner test data sheet.) b TEL	

WESTON WAY WEST CHESTER, PA 19380 PHONE: (215) 692-3030 DAILY REPORT TELEX: 83-5348 DESIGNERS/CONSULTANTS CONTRACTORS SUPERVISOR: DATE: 23 MArch 1987 F. Klotzban 107 WEATHER & TEMPERATURE: LOCATION: Mostly Sunny - 630 WAde Site - Chesker, PA Lt to Midorate Winds JOB NO: 0739-26-03-05 DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR PERSONNEL & EQUIPMENT: DESCRIPTION NUMBER - haded loads of Goil IH 3984 Hackhoe 1 ź CASE 580 E backhoe commond have appliance freen abbo 977 lander siles and removed # 2 sile. D655 londor Estion Crane (14 ton) continued fabrication of the Ann Quis CLARE (50 tro) WATE MO units W/S H550 HARKhoe 1 - enconated in grids 1663. from jonn generatore! 1 2) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) Visqueen for lining fracks - quard SUCS. continue Hansputs dispand sucs. COMMENTS/PROBLEMS/AGREEMENTS MADE: of Chosks contracted R. Allen N: passing of City in Batt paperty and desire to terminate use of ande fue Area At A fruck staging pren. R. Allen to disause up dispatchers. IH technician SVCS. Folong. NO TEST DATA: (List item(s) here and record details on appropriate test data sheet.) - NONE -VISITORS: (Time, Representing, Comments) -NONE -000722

and the second second second second

24 Marda 1987 John E. Churgert OCATION: UNCE Site - Cheske, TA. OB NO: 0739-26-03-05 ESCRIPTION OF WORK PERFORMED: 0000TRACTOR DAVE 21 LOAds of SI. 1 (462.52 frag DAVE 21 LOAds SI. 2 Combined - DAVE 21 LOADS SILS. Combined - DAVE 21 LOADS SILS. Combined - DAVE 21 LOADS SILS. COMMINICAL - DAVE 21 LOADS SILS. COMMINGE DAVE 21 LOADS SILS. COMMINICAL - DAVE 21 LOADS SILS. COMMINICAL - DAVE 21 LOADS SILS. COMMINGE DAVE 21 LOADS SILS. COMMINGE DAVE 21 LOADS SILS. COMMINICAL - DAVE 21 LOADS SILS.	SUPERVISOR: F. Klotzback WEATHER & TEMPERATURE: Sunny - 60°F PERSONNEL & EQUIPMENT: DESCRIPTION IH STEH Hackbee CASE STOL BACKBE Anyon Lime (50 kms) Gallon Linne (15 tons) 977 Jonde DESS Jonde DESS Jonde DESS Jonde US 11550 HINKBOC Steame jeany MATERIALS: (QUANTITY, PURPOSE) - plashe Sheefing for Lining - - CARULK for Section Act (50	NUMBER / / / / / / / / / / /	
OCATION: 1110:	WEATHER & TEMPERATURE: Sunny - 60°F PERSONNEL & EQUIPMENT: DESCRIPTION IH STEH Hackbe CASE STOL GARCARE Ansigne Clone (SO Kns) Galion Clone (15 tons) 977 Jander DESS Jonder DESS Jonder DESS Jonder ESSCOF Janbe MATERIALS: (QUANTITY, PURPOSE) - plashe Sheeling for Lining of - CARULK ike Section for Lining of	NUMBER / / / / / / / /	
0739 - 26 - 03 - 05 EESCRIPTION OF WORK PERFORMED:) CONTRACTOR Anded 21 londs of SI. 1 (462.52 free) Anded 21 londs of SI. 1 (462.52 free) Anded 2 londs of SI. 1 (462.52 free) Anded 2 londs of SI. 1 (462.52 free) Anded 2 londs of SI. 1 (462.52 free) Contract Supports Contract Supports Contract of Siles of Siles and 4 Contract of Chick Siles. Contract - EN Support by In Annuel - EN S	PERSONNEL & EQUIPMENT: DESCRIPTION IH STEH Hackbee CASE STOLE backbee Annyon Linne (50 kns) Galian Linne (15 tons) 977 Jander DESS Jander ESGEAT Jander ESGEAT Jander ESGEAT Jander States jenny MATERIALS: (QUANTITY, PURPOSE) - plashe sheeting for Lining - - CARULK for Section Art (50	NUMBER / / / / / / / /	
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IN and guard sils. continued - IN supplied by in howe carponate Sately Office. Trans. & Disposal. OMMENTS/PROBLEMS/AGREEMENTS MADE: Lidag of Cheski produced RES +	- plashe sheething he lining ,	Level h. 1	
I.H. Supplied by IN HOUSE COLPUTATE SAFELY OFFICE. TEARS & D'SDOSAL. OMMENTS/PROBLEMS/AGREEMENTS MADE: Lidag of Cherker placed RES +	- CAULE he sealing failes	- plastic sheeting for lining fuck beds	
EAR by OFFICE. Treas & Disposal. OMMENTS/PROBLEMS/AGREEMENTS MADE: Listag of Cherke placed RES y		ks	
CLARS & DESPENSION		· · · · · · · · · · · · · · · · · · ·	
Lidas of Cheski pidered RES -			
City of Chesker ardered RES +			
	b came use of best low	nde	
profesting of truck strains fred	Trucks straged Alone; Fi	lower St.	
vandalison to site representation	e's sutrombute proched	antsite	
site.			
ST DATA: (List item(s) here and record details on appropriate	test data sheet.)		
- NONE -			
SITORS: (Time, Representing, Commente)			
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un oreconverse Police Der	27	<u>1-0723</u>	

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593,680 WESTON WAY WEST CHESTER, PA 19380 DAILY REPORT PHONE: (215) 692-3030 TELEX: 83-5348 MANAGERS DESIGNERS/CONSULTANTS CONTRACTORS SUPERVISOR: DATE 25 Marda 1987 F. Klotzbalk a Al LOCATION: WAde Site - Chester, PA. WEATHER & TEMPERATURE Misty Sunny - Partly Cloudy - 65% Moderate to heavy winds JOB NO: 0739-26-05-05 DESCRIPTION OF WORK PERFORMED: PERSONNEL & EQUIPMENT: DESCRIPTION 1) CONTRACTOR NUMBER - Finished encavation in goid 4. IH 3984 trackhoe CASE 580E backhe londed 14 londs of soil: 296,8 fons Galion Grane (15 tons) D655 Londer Continued tobrication of rabber 977 " . * Bobcat unding units. Skann jenny H 550 Linckhie* W/S Waker Tinck 1 - TH Services not used MATERIALS: (QUANTITY, PURPOSE) 2) SUBCONTRACTOR: - Starte stace tay to lining fould beds - Coult for senting tailgates quard fromsport and disperal COMMENTS/PROBLEMS/AGREEMENTS MADE: - "Cotca" soil stockpited in grids 58-60 is in the way of. requested provid of change plumed enconstion - RES alle request to encourse soil under own pro-TEST DATA: (List item(s) here and record details on appropriate test data sheet.) - NONE -VISITORS: (Time, Representing, Comments) Jim Semple, RES(FS), Inc. 00072

		n Maria Maria Maria Na Pangana na P
DAILY REPORT	VESTON WAY WEST CHESTER, PA PHONE: (216) 692-300 TELEX: 83-5346	19380 Ю
DATE: 3-26.87 BY: R, Allen	CONTRACTORS SUPERVISOR: F, KLOTZB,	nCH
LOCATION:	WEATHER & TEMPERATURE:	
JOB NO:	JUANY, ~65-70	
1734 - 26 - 03 - 05	PERSONNEL & EQUIPMENT:	
I) CONTRACTOR	DESCRIPTION	NUMBER
GUIL EXCANATION, LOADING & HAVLING	CH SARY TRACKHOE	<u> </u>
(14 LOAND - 410-34 TONS)	CASE DOUR DACEHOE	
	D655 LOADER	1
	977 LOADER	1
	H550 TRACKHOE	1
	WATER TRUCK	<u> </u>
		+
	······	
) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
BUARD SERVICE	· · · · · · · · · · · · · · · · · · ·	
OMMENTS/PROBLEMS/AGREEMENTS MADE:		
NO HAS AFTKER DN SITE LATIL PAUL	THOMAS ARRIVED & 1150	A SAFET
AFETING WAS HELD TO DISCUSS DELINE	ATION OF ZONES & LUMI	ADJUSTMENT
OF TRUCKS IN HOT AREA ONLY. CONT	MINATED SOL IN CLEA	N Zoort Will
SE SCRAFED & PLALEV IN CONTADINATED	<u>Kille</u> .	
EST DATA: (List item(s) here and record details on appropriate	lest data sheet.)	
ISITORS: (Time, Representing, Comments)		
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	VESTON WAY WEST CHESTER, PA 1 PHONE: (21) 692-303 TELEX: 83-5348	9380 0
Marde & 7. 1987 John E. Langert J.	SUPERVISOR: F. Klutzbad	u
OCATION: Intrata Cite - Charles Pa	WEATHER & TEMPERATURE:	r.
OBNO:	Light winds NW 551	nph
ESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT:	1
CONTRACTOR	DESCRIPTION	NUMBER
immed excountion in grids 4	IH 3784 HACK hoe	/
md HO	15/5 11550 HACKINE	· · · · · · · · · · · · · · · · · · ·
	VASE STOE GACKING	
10 Aded out 11 loats of soil; 36 7 tons	Bobcat lonle	
	STT lorder	
ontraded disassembling silos	D655 Janler	
	WAR TRUE	+
ontinued shake win of cutter	sheann jenay	
WAShing wasite.	Galion Crane *	
	* not used	
SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	•
gund, <u>fransfort and di sposat sucs.</u> tonhnuec.	- plastic seeting to lin - coult for sections that	ing HULRS GATES
OMMENTS/PROBLEMS/AGREEMENTS MADE:	I	
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ION		
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EST DATA: (List item(s) here and record details on appropriate	test data sheet.)	
Data Lours R. 6. Wast	no late a: Tothe and we	at some-
North - ales submitted Inst.	HECK - Very little PEB	ternd.
Hard copy due Mon	day .	
	/	
SITORS: (Time, Representing, Commente)		
- AMAIE -		
-NONE -		000720
-NONE -		000720

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DATE: Maril on 1587 My PM 11	CONTRACTORS SUPERVISOR: E Ubto Lach	, ,
LOCATION:	WEATHER & TEMPERATURE:	
While boje - Chestere, VA.	Party Summy -? Kenry	Min
JOB NO: 1789-26-03-05	55- 65 2	
DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT:	
1) CONTRACTOR	DESCRIPTION	NUMBER
-INCONARD in prid 20	I A Sibel frackhue	
1. 1. 1. tallat faile latert	WIS ITSSO FIRER TO C	
- paced DWIZI 10/4307501- TUTAI	Babe at lacke	/
Wayner =) 61.107 and	977 habs	
- remard I site section	D655 lover	
	What the fruck the	1
- schuilt stores throughant site	5km jenny	
	Ail 10 mp ressol	
- lathaned builting rather user ing	Gration Cinenc	
units - Wilked in conveyors	NOT USED	7
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
- TH CVCh reise Either	- Plasty Checking 1/1	ining Lowies
- bund transport & disposal such.	-Caulk to sealing taka	es
continued.	- Jumber tor repairing ?	this.
·		
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
. 16.		
NON		
TEST DATA: (List (tem(s) bere and record datails on appropriat	e test data chest)	
- NONE -		
VISITORS: (Time, Representing, Comments)		
- Paul Thomas - PESDE	This - Herden & Safety a	Wight
		600MAN
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		1110727
		1110727
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WESTON WAY WEST CHESTER, PA 19380 PHONE: (215) 692-3030 TELEX: 83-5348 DAILY REPORT DESIGNERS/CONSULTANTS CONTRACTORS DATE: SUPERVISOR: F. Klatchach tan'l WEATHER & TEMPERATURE: LOCATION: Mostly Sunny 32-+ 45% Kale Site past JOB NO; hlindy 0739-26-03-05 DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR PERSONNEL & EQUIPMENT: DESCRIPTION NUMBER - litter ated in griss 58, 56 and 10 IH 3984 ARCHIDOC a 14 IN/5 550 Babant Ispece removed silo sections (2 comain) total weight = 977 landes abber med building D655 / Ader wheed on con. WAR Huck 1 in Hunchim at untersaria racks Sterm jenn entindes. Cratics crane Ail compressed and STT laster fire. ham site MALDI crushed drams and mixed into not used. soil stockpiles 2) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) - Oltshic sheets for covering soil state TH Sues continue baped Services contrave cites . lumber to wash racks TIMBAIL h Commed 2 loads wastewater COMMENTS/PROBLEMS/AGREEMENTS MADE: Site resulven initiate pose broks due to probable contrain one multiple clevelions · Sulvenois to record data TEST DATA: (List item(s) here and record details on appropriate (est data sheet.) NONE VISITORS: (Time, Representing, Comments) 1. 1110728 NES OrensigAT TANI THEATHES - KES(PE) Inc. D. Chatta barren - City of Consta - to see DCR in. another nochkan in the City 4

DATE: Amil R, 1987 ATME. Clay port f	CONTRACTORS	
LOCATION:	SUPERVISON: P. KIOTZEMAN	
I lail Cita Charles Pa	WEATHER & TEMPERATURE: Master Sunny - Claudy	
JOB NO:	Windy (5-5W; 15-17 mpt)	ĺ
0139-26-03-05	PERSONNEL & FOLIPMENT	
1) CONTRACTOR	DESCRIPTION	NUMBER
- removed 21 loads of sail- total	977 londer	
NOYNT = 446.13 TTAS	Maker trustet	,
- continued plumping an cather	Bob cot pader	1
WAShing units	D655 "	
- Intinued excertation in a cit	HZ Dillamartssart	
	steam jenny	1
· · · · · · · · · · · · · · · · · · ·	* not used	
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	- In A C. I
- 5 pil finas art and disposal	- COUL to seeling the	to ales
	- Alumbing supplies for ra	the washing
	units	
- MILL Alums cembred from substance (13 full) one conto	prid 42 - DAC containe	d tri-like
trined an unknown a gam	ic substance = 300 ppm	en h.Nr.
Compound trike This MAR	nstantly.	
TEST DATA: (List item(s) here and record details on appropr	riate test data sheet.)	
- NONE -		
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	WEST CHESTER, PA CHESTER, PA CHESTER, PA CHESTER, PA CHESTER, PA	19380 30
DATE: Anoil 3 1987 Shuffland	CONTRACTORS SUPERVISOR: C. KISTE	:
LOCATION:	WEATHER & TEMPERATURE:	4
UNDE 51 KE - CHESKER, TA.	- 42-55°	
0739-26-03-05	Winds North ~ 10mph	
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
-removed 7 land of sail- total	Water truck	1
Woight 3 2.15, 50 165.	Bolent lander	
- have a sunter Cultur washing	Lealise class	
marine	AT LOMORSSOL *	
	steam jenny	1
- removed 917 pade and W/s 550	Hyd. Excavatale	<u> </u>
frackhoe ham site		
	· · · ·	
	MATERIAL SUCHANTITY RURROSSI	-
The and and calling interio	- Albebie de la la forte	hade
- soil transput and disposed un-	- could be senting the	igates
fine.		
TEST DATA: (List item(s) here and record details on appropri-	ale test dala sheel.)	
-NONE -		
VISITORS: (Time, Representing, Comments)	T 1240	
- KAR Scholer 3 RESTRAT	, 2016, - 1610 pm	010720
- MATLAN LINUTATION NO VEZ VEZ, LAR	•	
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milb. 1987 John Claysort	CONTRACTORS SUPERVISOR: F. Klotzhadu	
OCATION: <u>4 Janle Gile - Chaste</u> , PA.	, WEATHER & TEMPERATURE:	
1139 - 26 -03 -05 ESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT:	NUMPER
CONTRACTOR	life Luit	NUMBEH
Line of the office Alla.	2:455 ladae	
TIME VI ING EILICO PUT	Boberte landee	
removed 2 bods of scrapmetel	3984 EXCANATOR	
(11.42 tons)	Crane	
· · · · · · · · · · · · · · · · · · ·	Rubbo withing mit's	2
continued shake have of rubbe	Skam jenay	
SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
TH and guard ares. continue	Ismber to madifying te	ed chute to
tebris transport	rubber was hing wante	
OMMENTS/PROBLEMS/AGREEMENTS MADE: - Area Allund Oldy, dennolition	Cordoned off using wh	uning tope,
IST DATA: (List litem(s) here and record details on appropr	isle lest data sheel.)	
NONE		

1115 3 WESTON WAY WEST CHESTER, PA 19380 PHONE: (215) 692-3030 DAILY REPORT TELEX: 83-5348 ม้มนกระด DESIGNERS/CONSULTANTS CONTRACTORS SUPERVISOR: DATE: Beril 1 Klotzbach WEATHER & TEMPERATURE: LOCATION Mestel Hostaly Winds 7-12 W RÁL Cloudy; Tomp mid 50's JOB NO: 0739-26-03-05 DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR PERSONNEL & EQUIPMENT: DESCRIPTION NUMBER Water truck* continued demolition of office building - removed of root fram Bobent lanke 39 stry section completed. D655 londer Hydrantic Excavator (3984) book filled grid 20 <u>Galim Crane</u> Steam jenny Ruther Withhing units replumbed washing section of fire 2 Washing units. Repaired washing units atter hars. 2 loads backfill received (40.65 tons. * not used 2) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) I H and guard SULS. impined. - 40.65 tons of imported backfill received @ site COMMENTS/PROBLEMS/AGREEMENTS MADE: - Clay worked workit a 2030 his due to mechanical breakdown of rabbe withing units TEST DATA: (List liem(s) here and record details on appropriate test data sheet.) NONE VISITORS: (Time, Representing, Comments) VISITUME: (IMME, MERCENTING, - INSAF - ID20 his - Obscuption of site Paul Themes, RESIDE, Inc - 1445 has - see the insection Support.

SUPERVISOR: F. K/old bac WEATHER & TEMPERATURE: CLEARL'SHAWY 60°F SI%R.H. 49.69 NW PERSONNEL & EQUIPMENT: DESCRIPTION (HYD EXCAVADE (3984) - D665 CRAWER 444DER 4 40 C4 YD TRAKER	L 12 MPH NUMBER
WEATHER & TEMPERATURE: CLEARL' SHINNY 60°F SI% R. H. 29.69 ^H NW PERSONNEL & EQUIPMENT: DESCRIPTION 1 HYD EKCANAR (3984) - D665 CRAWER LOADER 4 40 C4 YD TRAKER	12 MPH NUMBER
PERSONNEL & EQUIPMENT: DESCRIPTION 1 HYD E KCAPADIN (3984) DGGS CRANNER LAADER 40 C4 YD TRANER	I Z MPH NUMBER
ST& R. H. 27.69 NW PERSONNEL & EQUIPMENT: DESCRIPTION 1 HYD EKCARADIN (3984) - DGGS CRAWER LOADER 4 40 C4 YD TRAKER	12 MPH NUMBER
PERSONNEL & EQUIPMENT: DESCRIPTION (HYD EXCAVANN (3984) DGGS CRANNER LAADER 4 40 C4 YD TRANER	NUMBER /
1 HYD ERCANADIN (3984) - DUGS CRAIMER LOADER 1 40 CH YD TRAILER	1
- DUGS CRAWER LOADER	
40 CU YD TRAILER	
CALION CRAHE	
NOMP TRUCK	
HATERIALS: (QUANTITY, PURPOSE) -ASHGAL UNDER REPAIR -4.5HGAL UNDER REPAIR -4.45 ; RLAN IS TO INCRES	AND ONT OF
t data sheet.)	
	MATERIALS: (QUANTITY, PURPOSE) MATERIALS: (QUANTITY, PURPOSE)

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DAILY REPORT		WESTON WAY WEST CHESTER, PA 19; PHONE: (215) 692-3030 TELEX: 83-5348	180
DATE: 191987 1449 CH	CONTRACTOR SUPERVISOR:	F. Klatzbadu	
Wate 5.K - Cherke, FA. JOB NO: 0759-26-03-05	WEATHER & T	EMPERATURE:	
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL 8	EQUIPMENT: ESCRIPTION	NUMBER
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100g - 12 FRU REMOVALO	Repertor Legatolini	A HANTER	
deusa kard excercations fo	balliter Steamer	anny	
lontinued equis to cabbe units.	, washing		
2) SUBCONTRACTOR:	MATERIALS: (Q	UANTITY, PURPOSE)	
- T.H. and quad services wanting	ued. per le.	S' rerords	
COMMENTS/PROBLEMS/AGREEMENTS MADE:	······································		
- fes to use nuclear der	esty gage for loom	sachen lecht	ÿ
TEST DATA: (List item(s) here and record details o	n appropriate teat data sheet.) _	······································	
NONE			
VISITORS: (Time, Representing, Comments)			
) Inc safety	ingabor.	
Tan Thomas, RES (DE			

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DAILY REPORT

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WESTON WAY WEST CHESTER, PA 19380 PHONE: (215) 692-3030 TELEX: 83-5348

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	MANANA	DEDURENCONVENTIO	
DATE: April 10, 1987	BY: David Pchl	SUPERVISOR: MILLE MELLIN	n nger (uching)
LOCATION: Wade Site, C	hester, PA	CIPOL, SUNTY . 65-7	10°F
JOB NO: 0739 - 26 - 03 -	05	light breeze	
DESCRIPTION OF WORK PER 1) CONTRACTOR	FORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- backfilled un	In clean sand	water truck	1
basement of de	mol. wood frame	boncat looder	
building in qu	101 36	D 665 Looder	1
- continued re	oning rubber	Hudraulic Excounter	<u> </u>
washing unit		Galian Crane	
- backfulled ex	countron in	Steam Jenny	1
anoas 8 12	with denotition		
cupble.			
- 2 loads of so	rap metal left site		
- continued su	rueuna in rouan		
arady elevat	vms		
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2) SUBCONTRACTOR:		MATERIALS: (QUANTITY, PURPOSE)	
III and Guard	surs continued	98 truck loods of sand (39	5,800 ibs)
		- backfill for bosement of du	nci. puilding
COMMENTS/PROBLEMS/AGE	EEMENTS MADE:	·	
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- ASE & A	oner will be on all	e Manag to compace	THE
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		e encour anone mino	
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- Grain size dist	ribution and moistur	e Idensity relationships	
of barav			······
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VISITORS: (Time, Representing,	, Comments)		
Paul monas	REDIDE TAC. 50	fely inspection	·····
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TE: grill 1987 What Claunor	CONTRACTORS F. Klotz brach SUPERVISOR; White A	hr ethng)
CATION:	WEATHER & TEMPERATURE:	e
BNO:	Misloale Breece	
1739-26-03-05 SCRIPTION OF WORK PERFORMED	PERSONNEL & FOLIPMENT	
CONTRACTOR	DESCRIPTION	NUMBER
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Asting units	LAburers	<u></u>
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WOLARAN DECENCEA PARTIES TOP	Eleat bala	<u> </u>
willing prospected a tride affin	DOMAI INKIC	
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UBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
word services continued	Del RES MOILS	······································
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AMENTS/PROBLEMS/AGREEMENTS MADE:		
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T DATA: (List item(e) here and record details on appropria	ie test dala sheet.}	
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rORS: (Time, Representing, Comments)		

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1	DAILY REPOI		WESTON WAY WEST CHESTER, PA 1 PHONE: (215) 892-303 TELEX: 83-5348	9380 D
، ، ا	DATE:	Mir E. Clamor	CONTRACTORS SUPERVISOR: F. Klotzback	· · · · · · · · · · · · · · · · · · ·
	LOCATION: Wade file - Cheen	kr., FA.	WEATHER & TEMPERATURE: CHOURST to MUTIN SUSTIN	7
	JOB NO: 0139-26-03-03	5	(WIND)	
	DESCRIPTION OF WORK PERF 1) CONTRACTOR	ORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
	-len housed repairs	to rabber mark	ing 3984 hydraulic excavable	-/
┢	nonts: black re	locating washen	At D655 lander	<u> / </u>
ŀ	PRIVILY DREAD CLOSED A	E ALDERING ANTOIN	Bstrat habi	1
F	continued backfill	in grid # 1.	Steam jenny Water freek	/
	- remarked 5 loads a	t makenales for		
┢	dispisal Chean	<u>(12,56/5</u>	als)	
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L	COMMENTS/PROBLEMS/AGRI			·····
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	TEST DATA: (List Rom(s) here an	d record details on appro	priato test data sheet.)	
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H	VISITORS: (Time, Representing,	Commenta)		
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MANAGERS	PHONE: (215) 692-3030 TELEX: B3-5348	
Hacil 14, 1987 John E. Clanoll.	SUPERVISOR: J. Semple (Ad	ting)
OCATION: WADE SIK - CHOSKE PA.	WEATHER & TEMPERATURE: Mostly Swnny - Swnny	
0737-26-03-05 Description of work performed:	PERSONNEL & EQUIPMENT:	
ponthactor	3984 hul emonste	NUMBER
ing conits.	D 655 lander	(
	Caro 1102 Vibrahy Rolk	(
antinued refreation of unskup tel	Bobert bake	
habling franks.	Calian Learne	
backfilled in grids 2,3,4, 18, 20, 34 and 50.		
At Petrillo	1	
SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
I. Hand guard sucs, continued.	33 lands grand - 1,400	820 165.
OMMENTS/PROBLEMS/AGREEMENTS MADE:		
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EST DATA: (List item(s) here and record details on appropriat	e lest data sheet.)	
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SITORS: (Time, Representing, Comments)		
Mr. Poul Thomas RESTRE) 3	The - Sate to insertion	Rad
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White Site - (Hester, Ma. 50° JOB NO: PERSONNEL & EQUIPMENT: DESCRIPTION OF WORK PERFORMED: PERSONNEL & EQUIPMENT: DESCRIPTION - Kefala. Tiek Wasken - Scead baddwr, Mise. Clawve Galler Cawe - Gread baddwr, Mise. Clawve Galler Cawe - Gread baddwr, Mise. Clawve Galler Cawe - Cleanve at Claesen, Eines At Sile Dhas Loaden Felfstals Fil Takkhoe Begent Loaden Begent Loaden Water. Tawe UARten Tawe Bask Fillwise Bask Fillwise Bask Fillwise Bas Ceased Untrue Ales Certs Diff. Materials: Gwast Internalistic (Juantity, Purpos Domments/PROBLEMS/AGREEMENTS MADE:		
JOB NO: JOB NO: JOB NO: PERSONNEL & EQUIPMENT: DESCRIPTION OF WORK PERFORMED:) CONTRACTOR - <u>CREAD LADDAR</u> , MISE. CLANN VO - <u>CREAD LADDAR</u> - <u>CREAD LADDAR</u> , MISE. CLANN VO - <u>CREAD LADDAR</u> - <u>CREAD LADDAR</u>		
DESCRIPTION OF WORK PERFORMED:)) CONTRACTOR - REPAIR THE WASNER - SEEN LADING, MISE, CLEAN DE - SEEN LADING, MISE, CLEAN DE - CLEAN DE DE DEBER, FINES AT SHA - DEBSTRIS - DESSTRIS - DESSTRI		
		NUMBER
- Scare Ladins, Miss. CLEAN VE CRUSH CRAnk CLEAN OF OF QUESTIONS, MT SILE MATERIALS: CLEAN VE CRACK OF MATERIALS: CONPERSION UNITED TO DESIGN DESCRIPTIONS (QUANTITY, PURPOS DISTORS: CERSED UNITID. DES COTS DEC MATERIALS: CONFICTION COMMENTS/PROBLEMS/AGREEMENTS MADE: BAIK FILLING FRS CERSED UNITID. DES COTS DEC MESTOR) OVERSIGNT (MRS STORGED AS OF TODAY, WESTOR) OVERSIGNT (MRS STORGED AS OF TODAY, WESTOR) OVERSIGNT (MRS STORGED AS OF TODAY, MISITORS: (Time, Representing, Commente)		1
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I) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOS COMMENTS/PROBLEMS/AGREEMENTS MADE: BACK FILLING HAS CERSED UNITH RES COTS I) EC. MESTON DVERSIGHT HAS STOLED AS OF TODAY , WESTON DVERSIGHT HAS STOLED AS OF TODAY , ISITORS: (List item(s) here and record details on appropriate lesi data sheet.)		
I) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOS COMMENTS/PROBLEMS/AGREEMENTS MADE: BAIK FILLWE HAS CERSED VALTIL RES GOTS DEC MEMORY FOR 85% Compact und WESTON DVERSIGNT HAS STORAGED AS OF TODAY ; VESTON DVERSIGNT HAS STORAGED AS OF TODAY ; VESTON DVERSIGNT HAS STORAGED LOSI DATA STORAGED AS OF TODAY ; VESTON DVERSIGNT HAS STORAGED LOSI DATA STORAGED AS OF TODAY ;		
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COMMENTS/PROBLEMS/AGREEMENTS MADE: BACKFILLING HAS CERSED UNITIL RES CETS I)EC MESTON OVERSIGNS HAS COMPACTION. WESTON OVERSIGNS HAS OF TODAY, IEST DATA: (List item(s) here and record details on appropriate lest data sheet.) /ISITORS: (Time, Representing, Comments)		<u></u>
BACK FILLWE HAS CEASED UNTIL RES COTS DEC MEGUEST FOR 85% Comportion. WESTON DVERSIGHT HAS STORED AS OF TODAY, EST DATA: (List item(s) here and record details on appropriate test data sheet.) "ISITORS: (Time, Representing, Commente)		
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ULEQUEST FOR 017- Compact (UN). WESTON) DVENSIGHT WESTON) DVENSIGHT 'EST DATA: (List item(s) here and record details on appropriate test data sheet.) 'ISITORS: (Time, Representing, Commente)	SIDM	ON
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DATE: 4.16-87	BY: R. ADD.	SUPERVISOR: E KINTAL	
LOCATION:		WEATHER & TEMPERATURE:	
WADE SI	16 - CHESTED, VA.	CLOUDY, SOME BLAIN	
JOB NO:	•	~41°	
DESCRIPTION OF WORK PE	RFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
EXCANATE GRUD 33	To Gar's DEATH	TH TOTACK HOE	
- CLEAN 1/0 RUBBER	FINES	D665 LOADER	1 1
- REPAIR TIRE WASH	er	GALION CRANE	1
- LOAD SLAAP		BORCAT	1
		WATER TRUCK	1
		CASE ROLLER-	1
AL DUDAANTA + 2745			
A SUBCONTRACTOR		MATERIALO: (UUANTITT, PURPOSE)	
		- <u> </u>	·····
COMMENTS/PROBLEMS/AC	REEMENTS MADE:		
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TIKE WASHER		r	· · · · · · · · · · · · · · · · · · ·
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TIRE WASHER BROKE DOWAS (CONVEYOR		
TIKE WASHER BROKE DONOS (Conveyen.)		
TIKE WASHER BROKE DOWNS (<u>Conversion) </u>		
TIKE WASHER BROKE DONOS (<u> </u>		
TIKE WASHER BODKE DOWAJ (<u> </u>		
TIKE WASHER BrickE Doway (BrickE Doway (TEST DATA: (List item(s) here	and record details on appropria	to test data sheet.)	
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DATE: BY: 11/0.	CONTRACTORS SUPERVISOR: E	
OCATION:	WEATHER & TEMPERATURE:	(
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DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
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	7665 LOADER	i
	CLANE	
	BIBCAT	
	WATER TRUCK	<u> </u>
	<u>florien</u>	
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) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
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DAILY REPORT

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WESTON WAY WEST CHESTER, PA 19380 PHONE: (215) 692-3030 TELEX: 83-5348

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DATE:	BY:		
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LOCATION:	Company R.	WEATHER & TEMPENATURE	
WADE SITE	- CHESTER, IA.	JUNNY CA	
JOB NO:			
0739-26-	1303		
DESCRIPTION OF WOR 1) CONTRACTOR	K PERFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- LOADED S	HERDORD TIRES	OUS LONDER	
]		BODGAT LADER	}
- Lanora II	DRUMS FOR ACC		
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2) SUBCONTRACTOR:		MATERIALS: (QUANTITY, PURPO	SE)
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DAILY REPORT	VESTON WAY WEST CHESTER, P.4. 19 PHONE: (21:5) 692-3030 TELEX: 83-5348	380
DATE: BY: BY:	SUPERVISOR: THE	
LOCATION:	WEATHER & TEMPERATURE:	an
WADE SITE - CHESTER, RA	RAIN MOST OF THE DAY	. [
JOB NO:	50°-55°	
DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- LOADED REMAINING SHREOTED	Dass Lanner	
TIRES OFFSITE (& LONOS)	BOBCAT LOADER	1
	GALION TARE LOADER CAME	
- DELIVERED & LUADS OF SOIL	PROMATIC Societionian	
SPREAD 3 ARONNO TRUCK STORING		
Keen.		
- DISMANTLED TOTO OF TIRE WASH		
STATION - REMAND CTLINNERS CONVERNME		
AND FRAMES,		
- Denalisites Two ancaste REDER	<u>s</u>	····
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
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	PA Grand	
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COMMENTS/BROBI EMS/AGREEMENTS MADE		
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VISITORS: (Time, Representing, Comments)		
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DAILY REPORT			
DATE: BY: 29 Are 87 DAVID S. MARTIN	CONTRACTORS SUPERVISOR: F. KLOTEPA	сн	
LOCATION: INTE SITE CHESTER B.	WEATHER & TEMPERATURE:		
JOB NO:	SUNT (APTRONON)		
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER	
- REMONED PERMANING PIECES OF	DC55 LONDER	1	
TILE WASH	PUBCAT LONDER		
- HAVL ONE LOAD (1) OF HAVE WASTE	TRAC HOE	<u> </u>	
- Broke up SLU PAD # 3 & HALE OF #2	Rigumentic Jaco Hommon		
- STARTED STACING AT ROVEL	·		
GRADE CONTEVERS			
- Dug To LOCATTE DRAW FROM			
SUMP TO BIVER FUND 17 IN GROFS			
· · · · · · · · · · · · · · · · · · ·			
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)		
1 TH & Gacure	1 Havel . or that warts	39 40 16	
	LEGAR		
COMMENTS /PROBLEMS / AGREEMENTS MADE:			
	and the second second second	and the Warrant	
Treate EN MALES ENTE	ATTE TENNISTAN 201 AVIAL	Ergo	
Wild PUT IT IN WEATING.		- Finely	
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	· · · · · · · · · · · · · · · · · · ·		
TEST DATA: (List item(s) here and record details on appropriate	lest data sheet.)		
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VISITORS: (Time, Representing, Comments)			
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VISITORS: (Time, Representing, Comments) Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Co	STOPAKO BY TO SEQ THE RET MET WITH HIM.	: 51 7 5	
VISITORS: (Time, Representing, Comments) 	STOPACT BY TO SER THE RTN MET WITH HM.	5. 5) 7 1111 (172	
VISITORS: (Time, Representing, Commente) VISITORS: (Time, Representing, Commente) PON HEFFER - ERA - 1905 F. KLOTERACK & D. MA	STOPALO BY TO SEQ THE RET WITH HIM.	••••••••••••••••••••••••••••••••••••••	

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WESTON WAY WEST CHESTER, PA 19360 PHONE: (215) 692-3030 TELEX: 83-5346

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DATE: 4/30/87	BY: DAVID POHL	SUPERVISOR: MIKE MELLIN	ch ar (actina)
LOCATION		WEATHER & TEMPERATURE:	j e
WADE SITE ,	CHESTER , PA	SUNNY - PARTLY SUNNY . WIN DY	
JOB NO:	03.06	60-63 ° F	
0157-26	-03-03		
DESCRIPTION OF WORK PEH 1) CONTRACTOR	FOHMED:	DESCRIPTION	NUMBER
- Continued to	break up slobs	D655 looder	
in grid bloc	KS Jand B.	Bobcat Looder 1	
- Backfilled	brocken up	Trock Hoe	
concrete into	excavation	Preumotic Jack	
in grid blo	cks 55,56 and	Hammer	1
40. (see cor	nments)		
	*		
2) SUBCONTRACTOR:		MATERIALS: (QUANTITY, PURPOSE)	
TH & Serie	itu		
			·····
COMMENT PROBLEMS/AGP	EEMENTS MADE:		
Large 4 - 9	ift width and g	reater chunks of conc	rete were
plated in the excavaled areas in grids 53,56 and 40.			
I discusse	a this with Mil	ke Mellinger and r	econmended
that the b	men p concrete	placed in the exci	nuarian
should not	LACEED 1-2' IN	wiam and should t	of white
with clean	5011.		
		- <u> </u>	
TEST DATA: (List item(s) here a	nd record details on appropriate	test data sheet.)	
i na i murun (neu neula) lieta elin lecolo nerelle oli ekhiohitete rost nere silooti)			
VISITORS: (Time, Representing, Comments)			
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MAN 1. 1987	When Clannorl	CONTRACTORS SUPERVISOR: Jim Semple (A	(דייא
LOCATION:		WEATHER & TEMPERATURE:	
WAde Site - Ci	hester, M.	Mosty Sunny 44-05-	
0239 - 26-03	3-05	Winds Wto SW 7-Romph	
DESCRIPTION OF WORK PE 1) CONTRACTOR	RFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- used Schrame	n backhoe to	D665 LoAder	
break Northen	most machiney	Bobcat Loadca	2`
perlestel	· · · · · · · · · · · · · · · · · · ·	IA 3784 excavatar	
·		Schramm backhoe w/	
· excavated pipe	new River to close	preumate hamma	
pu RES pape	osal (see below).	water frack	
		Supervisor	
cleand "p n	netal sumps and	Foreman	
Hood Arown	d site.	LAGUNENS	
		Operaters	_2
*	······································	* CAE LAND it under reasir	
2) SUBCONTRACTOR:	•	MATERIALS: (QUANTITY, PURPOSE)	
- LA ANO GALLO		per rees reactors	······································
COMMENTS/PROBLEMS/AU - <u>excernation</u> o the croster the hole. An	GREEMENTS MADE: f pipe near ri most cite fearce oily, black liga:	the resulted in partial by the sidewalls slough is was encountered in	collaps of ed into the pit:
COMMENTS/PROBLEMS/AI	GREEMENTS MADE:	in resulted in partial as the sidewals slough d was encountered in	Callaps of ad into the pit.

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DAILY REPORT	WESTON WAY WEST CHESTER, PA 19 PHONE: (215) 692-3030 TELEX: 83-5348	380
DATE: <u>4 MA-7 87</u> LOCATION: <u>MADE SITE - CHESTER</u> R. JOB NO: <u>BY:</u> <u>BY:</u> <u>BY:</u> <u>BY:</u> <u>BY:</u> <u>DAVID S.</u> <u>MAETIN</u> <u>BY:</u> <u>DAVID S.</u> <u>MAETIN</u> <u>BY:</u> <u>DAVID S.</u> <u>MAETIN</u> <u>BY:</u> <u>DAVID S.</u> <u>MAETIN</u> <u>BY:</u> <u>DAVID S.</u> <u>MAETIN</u> <u>DAVID S.</u> <u>MAETIN</u> <u>BY:</u> <u>DAVID S.</u> <u>MAETIN</u> <u>BY:</u> <u>DAVID S.</u> <u>MAETIN</u> <u>DAVID S.</u> <u>MAETIN</u> <u>DAVID S.</u> <u>MAETIN</u> <u>BY:</u> <u>DAVID S.</u> <u>MAETIN</u> <u>DAVID S.</u> <u>MAETIN</u> <u>BY:</u> <u>DAVID S.</u> <u>MAETIN</u> <u>DAVID S.</u> <u>MAETIN</u> <u>DAVID S.</u> <u>MAETIN</u> <u>BY:</u> <u>DAVID S.</u> <u>MAETIN</u> <u>BY:</u> <u>DAVID S.</u> <u>MAETIN</u> <u>BY:</u> <u>DAVID S.</u> <u>MAETIN</u> <u>BY:</u> <u>DAVID S.</u> <u>MAETIN</u> <u>DAVID S.</u> <u>MAETIN</u> <u>DAVID S.</u> <u>MAETIN</u> <u>MAETIN</u> <u>DAVID S.</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u> <u>MAETIN</u>	CONTRACTORS SUPERVISOR: MIKE MELLIN WEATHER & TEMPERATURE: HEAVY RAIN ALL DAY	
0739-26-0305 DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR - USED PNEUMATIC JACKHRONMER TO FREAL P CONCEPTE RUBBLE IN GRIDS AI & AZ, AND MICHINER PEDESTALS.	PERSONNEL & EQUIPMENT: DESCRIPTION ECHEROMM BACKER LU/ RUEUMATIC HOMMER	NUMBER
2) SUBCONTRACTOR: IH And GUARD SERVICES	MATERIALS: (QUANTITY, PURPOSE)	
COMMENTS/PROBLEMS/AGREEMENTS MADE; DUE TO HEAVY RAN NO O	THEE WARK WAS TOME	
TEST DATA: (List item(s) here and record details on appropriate	lest dala sheel.)	
VISITORS: (Time, Representing, Comments)		

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DAILY REPORT	DESCRETS CONSULTINITS WESTON WAY WEST CHESTER, PA 193 PHONE: (215) 632-3030 TELEX: 83-5348	380
DATE: MAY 87 TANIS S. MARTIN	CONTRACTORS SUPERVISOR: F. KLOTEP	PCH
LOCATION: WADE SITE - CHESSTER PA JOB NO:	RAIN OFF CON 55 - 60°	
0739 - 26 - 03-05 DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- EXCAVATED APPENDE BEE	HYRAULIC EXCAVATION Schepman Rufumatic	
ACCHAMINED ED EQUIPMENT	JACKHAMMER	
FOUNDATIONS		
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2) SUBCONTRACTOR: IH & SECURITY	MATERIALS: (QUANTITY, PURPOSE)	
	Harte	
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
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Horte		
TEST DATA: (List item(s) here and record details on appropriate) test data sheet.)	
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VISITORS: (Time, Representing, Commente)		
Atmles Staning Ann A Foll WITH E. KLOTZARA AND INT. THE COMPACTION WAI VER.	AND METAL FUL PULLE WINCED ITM SELF IND BUR	7.~9 17 ABN7 1100718

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DAILY REPORT	VESTON WAY WEST CHESTER, PA 18 PHONE: (215) 692-3030 TELEX: 03-6340	380
DATE: BY: MAY 87 DAVID S. MARTIN	CONTRACTORS SUPERVISOR: F. KLOT 2PACH/	M. MELLIGIN
WATE SITE - CHESTER PA	SUNNY 60-65°	
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- PREVENT TIRE SHIPEODER	HYDRALIC ENCANATOR	
ON SITE AND FINISHED	SETTRAMM PLEUMATIC	
SHARDOWS TIPES.	LACE HOMMER	
- ACKHOMMORED CONCERTIO	KOMATSY LOADER	i
Pros.	BRENT LOCER	1
- Excavation BURIED REINFORCE	(UNDER REPAI)	
(Increate, Pipe (PCP)		I
- Und Fig IEFSITE Date the		
TADIG. BYLLE DRAUS		
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2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
TH & BRANT	1 Taurus Lumm con r	marya (dum)
		LEAST LEAST-
COMMENTS/PROBLEMS/AGREEMENTS MADE:	••••••••••••••••••••••••••••••••••••••	
THE BURIED FIPE (RCP) IN	AS DUG UP From THE	RIVER_
BACK TOLLARDS THE SUMP.	THE REE DIDNET COM	UNERT TU
THE SUMP AND REWAINTED	Appreix 10 F7 Frum TH	VES. mp.
IT APPEARES W HEAD TOWN	1205 THE des Bullow	IN GRIDS
COEAL, LES WG COMPLET	PLY MUNN TIME SUMP	10 ADEATIE
A DRAW POS THE WAS T	the was Dir 10 1445	BOULS LA BET
BELIN THE SUFACE , AS I	T PASSED BY THE SUM	1P. Ras SHAPED INFI
TEST DATA: (List item(s) here and record details on appropriate	test data sh co t.)	
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VISITORS: (Time, Representing, Commente)		
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	DAILY REPORT	WESTON WAY WEST CHESTER, PA 192 PHONE: (215) 692-3030 TELEX: 63-5348	380
<i>سر</i>	DATE: BY: BY: 7 MAY 87 DAVID S. MARTIN	SUPERVISOR: NONE	
	LOCATION: <u>WATTE SITE - GHESTER PA.</u> JOBNO:	WEATHER & TEMPERATURE: 	
	DTSP - 20-03 - 05 DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
	- REPAIRED COU. PMENT	Hypamilic Exchinan	
		Manar ISL/ Whiter	
	2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
Ą	IH SEZUNITY	NUNE	
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	COMMENTS/PROBLEMS/AGREEMENTS MADE:		
• !			
u	None		
	TEST DATA: (List item(s) here and record details on appropri-	riale test dala sheet.)	
	Horse		
1 I	VISITORS: (Time, Representing, Commente)		
	HONTE		

8 MAT 87	BY: DAVID S. MARZTIN	SUPERVISOR: F. KLOTZBACH	
LOCATION:	CHESSTER PA	WEATHER & TEMPERATURE:	
JOB NO: 0:769 - 74-6	13-05	75°	
DESCRIPTION OF WORK PE	RFORMED:	PERSONNEL & EQUIPMENT:	NUMBER
- GRATICO AND	Levelon Prenis	Kongisu Loamen	(
nongs Gamo	ing Wenne WIREAE		
PIPE BECAVA	Tun occomen	, 	
- VQUIPMONT	Repair	101	
·····			
·			
2) SUBCONTRACTOR:	<u></u>	MATERIALS: (QUANTITY, PURPOSE)	<u> </u>
TH & SECO	un.		
	<u> </u>	NONE	
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COMMENTS/PROBLEMS/A	GREEMENTS MADE:	· · · · · · · · · · · · · · · · · · ·	
F. KLor	EBICH INDICATES	> HE WANLS START	GRADN
Warrie on Ma	MONT II MAT BA	<u>}</u>	
		·····	
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TEST DATA: (List Item(s) here	and record details on appropriate	tost data sheot.)	
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TEST DATA: (List lism(s) here	e and record details on appropriate	test dala sheet.)	
TEST DATA: (List lism(s) here VISITORS: (Time, Represention (Inc.) Security (Lego	e and record details on appropriate	test data sheet.) $$	VISIT AINAS
TEST DATA: (List lism(s) here VISITORS: (Time, Representi Act. Schwiggt To Discuss (	and record details on appropriate	ioni dala sheot.) Becure (DRC) 5:77	VISIT & INVEST
TEST DATA: (List lism(s) here VISITORS: (Time, Representil イルモー SchwLar To Dascoss (Ling	and record details on appropriate	test dala sheet.) SECUTE (DER) SITE N	VISIT dimus 110751
TEST DATA: (List lism(s) here VISITORS: (Time, Representil (かし、 ちにいしいて てっ り ふくいろく (	and record details on appropriate	ioni dala sheet.) Becure (Dec) 5:76 {}	VISIT dinuds 110751
TEST DATA: (List lism(s) here VISITORS: (Time, Representin McL Schuller To Discuss ()	and record details on appropriate	ioni dala sheet.) Becure (Dec) SITE N	VISIT dimus 110751
IEST DATA: (Liet liem(e) here //SITORS: (Time, Representi //AL_SCHVLow To D.SCHSS_CH	and record details on appropriate	test dala sheet.) 32.2009.2.022.) 5:72 }	VISIT di~45 NU751
TEST DATA: (List liam(s) here VISITORS: (Time, Representin (net Security) To Discuss (	and record details on appropriate	test dala sheet.) BECKER (DEC) SITE {}	VISIT dimes 110751

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		WESTON WAY WEST CHESTER, PA 10 PHONE: (215) 692-3030	9380
~		DESCHERE CONSULTIVITS	
Ì	DATE: BY: 11 MAY 877 DAVIDS, MARTIN	SUPERVISOR: F. KLOTERA	 2rl
- 1	LOCATION:	WEATHER & TEMPERATURE:	
	WADE SITE CHESTER IA.	- 80-85	
	0739-26-03-05	Clim	ويروي والمراجع المراجع
	DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
	- STARTED BACKFILLING	Kempton Lonrerz	1.
	612103 41,42 \$58	CASE KOLLER	<u> </u>
	- NEW FORTUL THESTS ATLE	HTORMAC EXCAVATION	<u> </u>
	- WATER TRUCK USED		
	For DUST CONTROL.		
	- Grang 15 & 16 WERE RALED		
			<u> </u>
- 1			1
			<u> </u>
<b>I</b>	· 2) SUBCONTRACTOR;	MATERIALS: (QUANTITY, PURPOSE)	l
ł	IN 252 BOUNTRACTED SECURITY	27 TRUCKS OF FILL !!	976, 300 165.
	Cruthins NTH RUSSELL LINGME	14	
	Fire Comportation TRSTING.		
	COMMENTS/PROBLEMS/AGREEMENTS MADE:		
	Comparting on Tute LARTS	10808 28-90 LMM	The Ea
	NEW PROCESS ON Sent	- WILL INTERPETATE N	UMBERS,
		······································	
	TEST DATA: (List item(s) here and record details on appropria	ie test data sheet.)	
	NTH RUSSELL to Ren NE	W PAURTON TESTS ( CONG	PT.) M
ا :	VISITORS: (Time, Representing, Comments)		
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## DAILY REPORT

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WESTON WAY WEST CHESTER, PA 19380 PHONE: (215) 692-3030 TELEX: 63-5348

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DATE: BY: 12 MAY &7 DAVID S. MARTIN	CONTRACTORS SUPERVISOR: F. KLOTEPACI	4
LOCATION:	WEATHER & TEMPERATURE:	
WARE SITE - CHESTER RA.	790	
JOB NO:	Elonn - Wunning	iu Im
0739-24-03-05	KITIN FLIGHTING AFTICK C	- <u></u>
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- PACIEGUES AND RIVALL GRAMED	Konposi Lamore	1
Grans 3.4. 19. 20 40, 41, 42	Lose Rollin	
57 6 5%		
- SURVEYERS LAID WT GMTONE		
STARIS on FIGUE - 1800 Kom		
Rought GRATTE.		
- Dismonaling and Ruman and		
DELCA HASH 705		
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
IH SECUMTY NTH RUSSELL.	1948.910 lbs of	BREACHIL
Dimin Surveying.		
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· · · · · · · · · · · · · · · · · · ·		
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
F. KLOTZPACH INDIGATED THE	SWALE ALING THE WES	T FENZE
HTTS THE BANNE ON FLOWER ST	Frim E1350 to APRIL 6/475	Anto
- THE SWALE WY ACAUSS A CONCAPT	- SLAB BETWEEN E 1600 AND	E IBOD
P. ELUTERSTON NOTCHFILMS TO THE	THE ALONG IN CALENT IS	CREATURE
t TULO GRO WE MAN SLING THE	Saver Ander Stan Floren Stan	1 mg
CLUSOR TO THE FRACE RESOUCTING	ly,	<u> </u>
TEST DATA: (List item(s) here and record details on appropriate	test data sheet.)	
VISITORS: (Time Representing Comments)		
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DAILY REPORT		WESTON WAY WEST CHESTER, PA 19 PHONE: (215) 892-3030 TELEX: 83-5348	9380
DATE: BY: 13 MARY 87 DAT	10 5. MARTIN	SUPERVISOR: M. MELLIGA	14
LOCATION: WATZE SITE - C	ESTER A.	WEATHER & TEMPERATURE: 70° Claupy	
0732 -24-03 DESCRIPTION OF WORK PERFORME	3-07 D:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- BREKFILLING I	- Gain 25,26	Kantis Learner	1
- REMOND DECO	1 Pros	LASE GREET RELEE	
- WATTER SCRAP A TURE DUMPSTE	neth into		
		·	
2) SUBCONTRACTOR:		MATERIALS: (QUANTITY, PURPOSE)	[
TH, Security trumo	s NTH Risson	Ad Tavere Lonris of Fill	4,810,120 lbs
COMMENTS/PROBLEMS/AGREEME	NTS MADE:	Solor if T of the Connector	MAS MI TIM
LUTARS HU RELL SWMIC LOCATION. TURKER 1700	enters Frunn () - t Tolin th ann T CENUM	LES) (FS) in Title Seil i in F. KLUTZEARA Arn I wer Title Paren Tu IT P	Pille HAMAS
MNN AGAUT UN M 12 WAM & 7	THE WEAT WA	B DISCUSSED, WITH FI	CON KLAPPSACH
			······································
NTN USSULL Sum MIN USSULL Sum Ulunsumunn Man WINTS THIS PRUTH	131-7 A-PALLA WAL TO ADJUST 24ME a	o leal dala oneol.) Trume: Mccun-Dime 70 Nove 7 Fim Mich in The Soils,	lim Densily [AGARD:0
VISITORS: (Time, Representing, Comm	ients)		
		<u></u>	0754
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4 MAY BI		CONTRACTORS	A #A	
OCATION: NADE SITE	CHESTER RA.	WEATHER & TEM	<u>'( . IVIALLI GAM</u> IPERATURE:	<u>v</u>
08 NO: 0739 - 276-0	3-05	CLOTA		
DESCRIPTION OF WORK PER ) CONTRACTOR	RFORMED:	PERSONNEL & E	QUIPMENT: CRIPTION	NUMBER
- Wenuczas	SPERAD LIPIS	KUMATSU L	UKDER_	·!
- PORTEO	1-29 31-45	CASE PA	CHEIPE	
Noming TI	THE WEST FEACE LIN	C. TRAC HOE	- <u></u>	1
	·····			
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	······			+
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) SUBCONTRACTOR:		MATERIALS: (QU/	ANTITY, PURPOSE)	
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DAILY REPORT	WESTON WAY WEST CHESTER, PA 10 PHONE: (215) 692-2030 TELEX: 83-5340	3360
DATE: BY: BY:	SUPERVISOR: NA MELLER	
LOCATION:	WEATHER & TEMPERATURE:	<u>N</u>
WADE SITE - CHESTER PA.	PAIN 70-75"	
JOB NO:		
DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT:	
1) CONTRACTOR	DESCRIPTION	NUMBER
- EXCAVATION (ILENCAL LITEN	CARC BOLLER	<u> </u>
Cinegora Inner In Dimir S ( / 1012	KOMATSU LOADER	
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2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE) .	30 240 14
IT SECONICY NIN RUSSELL		F1 20 105
COMMENTS/PROBLEMS/AGREEMENTS MADE:	Hund Mallan man To	
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TEST DATA: (List item(s) here and record details on appropriate	e test data sheet.)	
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<ul> <li>VISITORS: (Time, Representing, Comments)</li> </ul>		
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DAILY REPORT	WESTON WAY WEST CHESTER, PA 193 PHONE: (215) 692-3030 TELEX: 83-6346	380
DATE: 113 MAY BT DEVID S. MARTIN	CONTRACTORS SUPERVISOR: M. MELLING	
LOGATION: WADE SITE - CHESTER RA.	WEATHER & TEMPERATURE:	
JOB NO: 0739 - 26-03-05	5	
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- ROUGHED IN SWALE ON	KUMATSU LOADER	
SINTH SIDE FENER LINE	CASE ROLLER	1
	and BACK. HARE	
- DUMPED AND SPREAD	HTORMULE EXCENTION	
EAST SIDE & SITE.		
- CLEANED EUBALE FROM		
SINALES. FUT CINCRETE		<u> </u>
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2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
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COMMENTS/PROBLEMS/AGREEMENTS MADE:		
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COMMENTS/PROBLEMS/AGREEMENTS MADE: ACLUEEN WITH M. MERLING GOLD LTA ON THE CLAY TO S	162 70 DERISIT RUB 57451-1255 1745 BASEB	BLE IN FRAG
COMMENTS/PROBLEMS/AGREEMENTS MADE: ACAREEN WITH M. MERLING GRID ITA ON THE CLAY TO S BACKFILLING	ICL 70 DRADSIN RUB STABILIZE THE BASEB	BLE_IN EARC
COMMENTS/PROBLEMS/AGREEMENTS MADE: Acadeens WITH M. MERLING Gens ITA on THE CLAY TO S PARAFILING	ICE 70 DERISON RUB STABILIZE THE BASEB	BLE IN Elence
COMMENTS/PROBLEMS/AGREEMENTS MADE: AGAINER WITH M. MERLING GRID ITA M THE CLAY TO S BACKFILLING SURVEYED CUMPACTION LIFTS	ICA 70 DEROSI7 RUB STABILIZE THE BASELB Fin NTH RUBBELL M	RLE IN Elim C
COMMENTS/PROBLEMS/AGREEMENTS MADE: <u>ACAREED WITH</u> M. MERLING GRID ITA M THE CLAY TO S BACKFILING SURVEYED COMPACTION LIFTS M. MELLINGGUS REDIEST.	ICA 70 DEROSO7 RUB STABILIZE THE BASELB For NTH RUBBELL M	RL2_ IN E(M.R
COMMENTS/PROBLEMS/AGREEMENTS MADE: ACAREENS WITH M. MERLING CHAID ITA M THE CLAY TO = PARCHFILLING SURVEYED COMPACTION LIFTS M. MELLINGGES REDIEST.	ICL 70 DERUSUI RUB STATSILIZE THE BASEB For NTH RUBBELL M	RLE IN Elen el
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COMMENTS/PROBLEMS/AGREEMENTS MADE: AGALORED WITH M. MERLING GALD ITA M THE CLAY TO S BACKFILLING M. MELLINGERS REDIEST. TEST DATA: (List item(s) here and record details on appropriate	ICA 70 DEROSI7 RUIS 57Ar51420 74E BASELBA Fén NTU RUSSELL M test data sheet.)	RLE_ IN E(M.R_ [
COMMENTS/PROBLEMS/AGREEMENTS MADE: <u>ACAREEN WITH</u> M. MERLING <u>GRUD</u> 17A M TITE CLAY TO S <u>BACKFILLING</u> <u>SURVEYED</u> <u>COMPACTION</u> LIFTS M. MELLINGERS <u>REDUEST</u> TEST DATA: (List item(s) here and record details on appropriate	ICA 70 DEPUTSUT RUTS STATSILIZE THE BASEB For NTU RUSSELL M test data sheet.)	BLE_IN EARE
COMMENTS/PROBLEMS/AGREEMENTS MADE: ACAREEN WITH M. MERLING GRID ITA M THE CLAY TO S PACKFILING SNOUTYED COMPACTION LIFTS M. MELLINGERS REDIEST. TEST DATA: (List item(s) here and record details on appropriate	ICA 70 DRAJSIT RUB STATSILIZE THE BASEB For NTU RUSSELL M test data sheet.)	RLE_ IN EARE
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COMMENTS/PROBLEMS/AGREEMENTS MADE:	ICA 70 DEROSI7 RUB 57ABILIZE THE BASELB Fin NTU RUSSELL M Iosi data sheel.)	
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DAILY REPO		WESTON WAY WEST CHESTER, F PHONE (210) 092- TELEX: 03-0340	PA 19380 3030
DATE: 19 Mar 87	BY: DAVIDS MAR	CONTRACTORS SUPERVISOR: M. MELL	INGER
LOCATION: MATE SITE	CHESTER R.	WEATHER & TEMPERATURE:	<u></u>
0730-26	-03-05	PERSONNEL & EQUIPMENT:	
1) CONTRACTOR	TE /SUL PLE	DESCRIPTION KININTS, LOADER	NUMBER
APPSITE		CASE PACELLE	ì
- DRESSING NORTHERIN	FENCE LINE	NG CASE RULLER	1
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TH SECURIT	1	20 HAVE TANCES 692,	140 165
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COMMENTS/PROBLEMS/AG	REEMENTS MADE:		· · · · · · · · · · · · · · · · · · ·
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VISITORS: (Time, Representing	, Comments)		
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ATE: BY: DO MAY 1987 John Claypo	CONTRACTORS SUPERVISOR: M. Mellinge	A.
Wade Site Chester PA.	WEATHER & TEMPERATURE:	
DB NO: 1239 - 26-03-05		
ESCRIPTION OF WORK PERFORMED;	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
removed 10 bads of de bris Isa.	1/ D655 Loader	
pedispesal at Peterilo's 1383,5	TO #) CASE Backhoe	1
r	CASE RolliceA	·
	Dozer	
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	that I are a	- <b> </b>
SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
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DMMENTS/PROBLEMS/AGREEMENTS MADE:		
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SITORS: (Time, Representing, Comments)		
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NONE		59

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21 May 1987 My Clay por LOCATION: WAde Site - Chester, FA. JOB NO:	SUPERVISOR: M. Mc linger	
LOCATION: WAde Site - Chester, FA.	WEATHER & TEMPEDATINE.	?
NACE Site - Chester, tA.		
	- Cloudy -> Masty Sunny	
0739-21-03-05		
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- removed   load scrap metal	Komatsu D665 Ladee	
( ? tons) for disposal at Cannoles	Kannatsu DESE Dozce	
Scrap Metal.	CASE Roller *	<u> </u>
	Case Backhoe	(
removed 5 loads debris/spil for	Dump Truck*	
disposal at Petrillois (45.3 tras).	Pumps	
	· · · · · · · · · · · · · · · · · · ·	
Nicessed suilate Allong cowthein flank		
OF SINC		
speed spil to promote drying		
- Free	* Not used this day	
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
TH and security continue		
- debris fransport and disposal		·
	Pro OCS' Paroide	
COMMENTS/PROBLEMS/AGREEMENTS MADE:	The reported the	
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TEST DATA: (List item(s) here and record details on appropriat	e lest data sheel.)	
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/ISITORS: (Time, Representing, Comments)		
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Idade Sile - Checkle, PA.       May -> A. Sunny         JOB NO:       0239-26-03-05         DESCRIPTION OF WORK PERFORMED:       DESCRIPTION         I) CONTRACTOR       PERSONNEL & EQUIPMENT:         - Carbie day, speeding chicking       D655 Loadee         - Sil de provinte diging       SB0 Earthoe         - Dimp Touck       I         - Dimp Touck       I         - Dimp Touck       I         - Dimp Review       I         - DimpReview	Wade Sile - Chester, Pa.       May -> A. Surnay         JOB NO:       D239-26-03-05         BESCRIPTION OF WORK PERFORMED:       PERSONNEL & EQUIPMENT:         1) CONTRACTOR       PERSONNEL & EQUIPMENT:         pites of select fill and came -       D655 Loadca         pites of select fill and came -       D655 Loadca         parties of select fill and came -       D655 Loadca         parties of select fill and came -       D655 Loadca         parties of select fill and came -       D655 Loadca         parties of select fill and came -       D655 Loadca         parties of select fill and came -       D655 Loadca         parties of select fill and came -       D655 Loadca         parties of select fill and came -       D655 Loadca         parties of select fill and came -       D655 Loadca         parties of select fill and came -       D102 R5 black         parties of select fill and came -       Dump Truck         parties of select fill and select fill and select fill and	
JOB NO:     D239-26-03-05     65-275°       DESCRIPTION OF WORK PERFORMED:     DESCRIPTION     NUMBE       - Cartie day, spreading cruicting     D635 Loadco.     1       - Status     Josephane.     1     102 Re Mez.       - Status     Josephane.     1     1       - Josephane.     Image: Status     1	JOB NO:       D739-26-05       65"-# 75"         DESCRIPTION OF WORK PERFORMED:       PERSONNEL & EQUIPMENT:       N         I CONTRACTOR       D65 Lode2       PERSONNEL & EQUIPMENT:       N         - CASE day spreading existing       D65 Lode2       PERSONNEL & EQUIPMENT:       N         - CASE day spreading existing       D65 Lode2       PERSONNEL & EQUIPMENT:       N         - CASE day spreading existing       D65 E do222       PERSONNEL & EQUIPMENT:       N         - CASE day spreading existing       D65 E do222       PERSONNEL & EQUIPMENT:       N         - CASE day spread must is wet       1102 Robe2       PERSONNEL & EQUIPMENT:       N         - SECRETOR:       Description       SEO Backhoc       PERSONNEL	
DESCRIPTION OF WORK PERFORMED: )) CONTRACTOR PERSONNEL & EQUIPMENT: DESCRIPTION DESCRIPTION PERSONNEL & EQUIPMENT: DESCRIPTION DESCRIPTION PERSONNEL & EQUIPMENT: DESCRIPTION NUMBE PERSONNEL & EQUIPMENT: DESCRIPTION NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUMBE NUM	DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR 2 Contractor 2) CONTRACTOR 2 Contractor 2) Contractor 2) Contractor 2) Contractor 2) Contractor 2) Contractor 2) Contractor 2) SUBCONTRACTOR: 2) S	
1) CONTRACTOR     DESCRIPTION     NUMBE       - extine day speeding existing     D65 LOAdce.     1       pittes of select fill and came     D65 LOAdce.     1       parting, fills great must is wet     1102 Rollee.     1       parting, fills great must is wet     1102 Rollee.     1       parting, fills great must is wet     1102 Rollee.     1       parting, fills great must is wet     102 Rollee.     1       parting, fills great must is wet     102 Rollee.     1       parting, fills great must is wet     102 Rollee.     1       parting, fills great must is wet     1     102 Rollee.     1       parting, fills great fills     1     1     1       parting, fills great fills     1     1     1       parting, fills	1) CONTRACTOR DESCRIPTION N - Casting day speed musicing D665 Londoca picks of select fill and came - D65 E do 2c2 packing, fillso speed musicing D65 Londoc packing, fillso speed musicing 102 Ro Neck 2 SEO Backhoc Dungo Truck 2) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) - I H and guard services - Lomplecting testing COMMENTS/PROBLEMS/AGREEMENTS MADE: - NON N TEST DATA: (List liem(a) here and record details on appropriate test data sheet.) - Complection data gue NYR / Rodd logs VISITORS: (Time, Representing, Commenta) - NON N N N N N N N N N N N N N	
- Contraction chart fill and chim - Des LOAdez. 1  previous of constant fill and chim - Des LOAdez. 1  previous fills great must i wet 1102 Rables. 1  previous fills great must i wet 1102 Rables. 1  previous fills great must i wet 1102 Rables. 1  previous fills great must i wet 1102 Rables. 1  previous fills great fills great must i wet 1102 Rables. 1  previous fills great fi	- Cathe day garential pricing Dissing Diss Lober 22 print of constant fill and cam - Diss dozed parking. Hiso goest must i wet 1102 Rolled 3 il to provide digling. SBO Barkhoe Dump Truck 2) SUBCONTRACTOR: MATERIALS: (QUANTITY, PURPOSE) - IH and speed services - Complection testing Rel RES' Records COMMENTS/PROBLEMS/AGREEMENTS MADE: - DNE NONE - DNE - DN	IUMBER
Disc of concerning and inter and inter 102 Robies ( parking it is goest much inst 102 Robies ( 3 if to provide digling. SBO Backboe ( Drug Truck ( ) 2) SUBCONTRACTOR: - If and goest scripps - If and goest scripps - If and goest scripps - Impliciting testing - Impli	PARK OF CONCENT ALL OWN CARAF       USE & OCZEL         PARKING, Hiso goesed mudit wet       1102 Rolles         Dill to prevente digling.       SEO Barkhoe         Dump Touck       Dump Touck         2) SUBCONTRACTOR:       MATERIALS: (QUANTITY, PURPOSE)         2) SUBCONTRACTOR:       MATERIALS: (QUANTITY, PURPOSE)         2) SUBCONTRACTOR:       MATERIALS: (QUANTITY, PURPOSE)         2) Hend Smed Services	<u> </u>
prevents, produce disting.       INC. IS MELL         sil to provide disting.       SEO Backboc         Dump Truck       I         Dump Truck       I         a) SUBCONTRACTOR:       MATERIALS: (QUANTITY, PURPOSE)         - II and guard Services       I         - III and guard Services       I         - Complection testing       I         Provide the formation of the services       I         - III and guard Services       I         - III and guard Services       I         - Complection testing       I         Provide the services       I         - III and Services       I         - III and Guard Services       I         - Complexition testing       I         IIII (Internet)       I         IIII (Internet)       IIIII (Internet)         IIIII (Internet)       IIIII (Internet)         IIIII (Internet)       IIIIII (Internet)	DRATH, DIS glate miles and part 100 to the state         Bil to provide diging.         SEO BARKhoe         Dump Truck         2) SUBCONTRACTOR:         Image: Seo Barkhoe	<u>-</u>
2011     12     Durp Truck       2) SUBCONTRACTOR:     MATERIALS: (QUANTITY, PURPOSE)       2) SUBCONTRACTOR:     MATERIALS: (QUANTITY, PURPOSE)       2) TH and guard Soviçes     Proc RES' Records       2) COMMENTS/PROBLEMS/AGREEMENTS MADE:     Proc RES' Records       VISITORS: (List liem(a) here and record details on appropriate test data sheet.)     Proc RES       VISITORS: (Time, Representing, Commenta)     Proc RES       NOTIFIERT     Proc RES	2011. The prevance organize.       Solo concerne c         Dump Truck       Dump Truck         2) SUBCONTRACTOR:       MATERIALS: (QUANTITY, PURPOSE)         - I.H and guard services       Description         - I.H and services <t< td=""><td><u> </u></td></t<>	<u> </u>
2) SUBCONTRACTOR: 2) SUBCONTRACTOR: - I.H. and GMART Services - I.M. and	2) SUBÇONTRACTOR: 2) SUBÇONTRACTOR: - I H and gnard services - I H and gnard services - I H and gnard services - I M	$\frac{1}{1}$
2) SUBCONTRACTOR: - I H and guard Scritzes - I H and guard Scritzes - Implaction Testing - Rec RES' Records COMMENTS/PROBLEMS/AGREEMENTS MADE: 	2) SUBÇONTRACTOR: 2) SUBÇONTRACTOR: TH and gnard services I A and gnard services I A and gnard services I A and gnard services PBE RES' Records COMMENTS/PROBLEMS/AGREEMENTS MADE: PBE RES' Records COMMENTS/PROBLEMS/AGREEMENTS MADE: TEST DATA: (List liem(s) here and record details on appropriate test data sheet.) TEST DATA: (List liem(s) here and record details on appropriate test data sheet.) Comparison data gree NITH [Russel logs VIBITORS: (Time, Representing, Comments) DANE NOTIFITIE I	-
2) SUBCONTRACTOR: - I. H and Guard Services - I. H and	2) SUBCONTRACTOR: - Il and guard services - Icomplection testing - Complection testing - Completion testing - Comments/PROBLEMS/AGREEMENTS MADE: 	
a) SUBCONTRACTOR: - I.H. and Guard Services - Inmplection testing - Reces' Records COMMENTS/PROBLEMS/AGREEMENTS MADE: - DNE - DNE - DNE - DNE - Complection data pre NTH /Rest logs VISITORS: (Time, Representing, Commenta) 	2) SUBÇONTRACTOR: - I'll and guard services - Icomplection testing - Complection testing - Comments/PROBLEMS/AGREEMENTS MADE: 	
2) SUBCONTRACTOR: - I H and guard services - Implection testing - Rec RES' Records COMMENTS/PROBLEMS/AGREEMENTS MADE: - NONE - NONE	2) SUBÇONTRACTOR: - I. H. and GMART SCRUCES - I. MATERIALS: (QUANTITY, PURPOSE) - I. H. and GMART SCRUCES - I. M. MATERIALS: (QUANTITY, PURPOSE) - I. H. and GMART SCRUCES - I. M. MATERIALS: (QUANTITY, PURPOSE) - I. H. and GMART SCRUCES - I. H. and Scruce  - I. H. And Scruces - I. H. Scruces -	
2) SUBÇONTRACTOR: - I.H. end Guard Services - Lomptoine Services - Lomptoine Services - Comments/PROBLEMS/AGREEMENTS MADE: 	2) SUBÇONTRACTOR: - I. H. and GMART SCRUCES - I. Implection testing - Complection testing - Recellers' Records - Comments/PROBLEMS/AGREEMENTS MADE: 	
2) SUBÇONTRACTOR: - I.H. and summed Services - I.M. and summed Services - I.M. and summed Services - I.M. and	2) BUBÇONTRACTOR: - I H and GMART SURVICES - LOMPACTION SERVICES - LOMPACTION SERVICES - COMMENTS/PROBLEMS/AGREEMENTS MADE: 	
2) SUBÇONTRACTOR: - I.H. and guard SUVICES - Lomplechine testing - RES' Records COMMENTS/PROBLEMS/AGREEMENTS MADE: 	2) SUBÇONTRACTOR: - I.H. and guard SURVICES - Inmplicition testing - The RES' Records COMMENTS/PROBLEMS/AGREEMENTS MADE: 	
- I H and GMAN SCHICES LampAchine Services COMMENTS/PROBLEMS/AGREEMENTS MADE: NONE NONE TEST DATA: (List liem(e) here and record details on appropriate test data sheet.) Compaction data pee NTA [Russel logs VISITORS: (Time, Representing, Commente) NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NO	- I H and GMART SCRIPES IOMPACTION testing PER RES' Records COMMENTS/PROBLEMS/AGREEMENTS MADE:	
- Lamphebins testing Pel RES' Records COMMENTS/PROBLEMS/AGREEMENTS MADE:	- LampAchine testing Per RES' Records COMMENTS/PROBLEMS/AGREEMENTS MADE: NONE NONE TEST DATA: (List lism(s) here and record details on appropriate test data sheet.) CampAchien Clath pre NATH / Redfel legs VISITORS: (Time, Representing, Commenta) NONE NONE NONE	
Press RES' Records         COMMENTS/PROBLEMS/AGREEMENTS MADE:         NONE         NONE         NONE         TEST DATA: (List litem(s) here and record details on appropriate test data sheet.)         Campaction data pre NTR / Russel logs         VISITORS: (Time, Representing, Commente)         NONE	The RES' Records         COMMENTS/PROBLEMS/AGREEMENTS MADE:         NONE         NONE         NONE         TEST DATA: (List liem(s) here and record details on appropriate test data sheet.)         CampArchim Clarks pre NSTA [Rastel legs         VISITORS: (Time, Representing, Commenta)         NONE	
Vice RES' Records         COMMENTS/PROBLEMS/AGREEMENTS MADE:         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N       N         N <t< td=""><td>COMMENTS/PROBLEMS/AGREEMENTS MADE:</td><td></td></t<>	COMMENTS/PROBLEMS/AGREEMENTS MADE:	
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NE       TEST DATA: (List item(e) here and record details on appropriate test data sheet.)       Campacism data pre NSR [Russel logs       VISITORS: (Time, Representing, Commente)       NONE	NONE       TEST DATA: (List liem(a) here and record details on appropriate test data sheet.)       CampAction data pee NER / Radel logs       VISITORS: (Time, Representing, Commenta)       NONE	
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NE       TEST DATA: (List liem(e) here and record details on appropriate test data sheet.)       CampAction data pre NTA / Russel logs       VISITORS: (Time, Representing, Commente)       NONE	VISITORS: (Time, Representing, Commenta)	
V       TEST DATA: (List liem(s) here and record details on appropriate test data sheet.)       Compaction data pee NKA [Russel logs       VISITORS: (Time, Representing, Commente)       NONE	No       TEST DATA: (List liem(e) here and record details on appropriate test data sheet.)       CampAction Cata per NAR / Raded legs       VISITORS: (Time, Representing, Commenta)       NONE	
TEST DATA: (List liem(e) here and record details on appropriate test data sheet.)         CampAction Clata pre NSA [Rassel logs         VISITORS: (Time, Representing, Comments)         NOALE         NOALE	TEST DATA: (List liem(e) here and record details on appropriate test data sheet.)         Camp Rebim Oath pee NATH / Cased logs         VISITORS: (Time, Representing, Commenta)         NONE	
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Campaction data per NTA   Russel logs VISITORS: (Time, Representing, Commente)	Campaction data per NAR / Russel logs VISITORS: (Time, Representing, Commente)	
Compaction data pre NAA  Russel 1095 VISITORS: (Time, Representing, Comments)	Campachin data per NAA / Russel logs VISITORS: (Time, Representing, Commente)	
VISITORS: (Time, Representing, Commente)	VISITORS: (Time, Representing, Commente)	
VISITORS: (Time, Representing, Commente)	VISITORS: (Time, Representing, Comments)	
VISITORS: (Time, Representing, Commente)	VISITORS: (Time, Representing, Commenta)	
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NONE	NONE	
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ATE: 26 1997 1987	BY: JOHN D. PAULING	CONTRACTORS SUPERVISOR: M. MELLINGER	,
OCATION:		WEATHER & TEMPERATURE:	
<u> 4405 SITE - C</u> OB NO:	HESTER, PA.	OVERCAST (AM.) -== OVERCA	ST (Р.п.)
0739-26-03-	os 	051	
DESCRIPTION OF WORK PEI ) CONTRACTOR	RFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
. SPREAD FILL T	TO GRADE SWALE	D665	.1
MONG LAST SIL	ZE OF SITE	0654	1
· COMPACT WITH	AND SUTTI COT	SCO BACK HDS	<u> </u>
MELLITY UN SITE	ADE HTUS UNIN	DUMP TRUCK	 
	·····		
		· · · · · · · · · · · · · · · · · · ·	
SUBCONTRACTOR:		MATERIALS: (QUANTITY, PURPOSE)	<u> </u>
IH AND GUARD S	CALINCES	SELECT FILL 2. 519, 260 #	- SO TRUCKS
COMPACTION TEST	TNC INTH RUSSEL		
DAMON ASSOCIAT	τες		
OMMENTS/PROBLEMS/AG	REEMENTS MADE:		
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	and the second		
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EST DATA: (Lisi ilom(s) here COP: MCT ION DATA ISITORS: (Time, Representin	and record details on appropriate PER NTH   RUSSEL LO g, Commente)	Itesi dala sheel.)	:1.62

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WESTON WAY WEST CHESTER, PA 19330 PHONE: (216) 692-3030 TELEX: 83-5348

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DATE: 27 MAY 1987	BY: JOHN D. PAULING	SUPERVISOR: M.MELLINGER	F.KLOTZEACH
LOCATION: WADE SITE	- CHESTER, PA	WEATHER & TEMPERATURE:	OUMEAST
JOB NO: 0739 - 26 -0	3-05	60°F	7.0年
DESCRIPTION OF WORK PER 1) CONTRACTOR	FORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
· SPREAD FILL O	N NORTH SIDE	DG65, LOADER BACK NOE	1
OFSITE.		DGE, DOZER	I
. COMPACT FILL C	IN NOCTH SIDE	NOZ, ROLLER	1
OF SITE,		550 Bachhog	1
. MOVE DRUMS S	TEEL, 00LY) TO		
wiside of site			
'			
	,		
			l
2) SUBCONTRACTOR:		MATERIALS: (QUANTITY, PURPOSE)	
TH AND GUARD	Services		
NTH RUSSEL ,		- ANNAE	
DAMON ASSOC. (A	FIERNOON)		
		<u> </u>	
COMMENTS/PROBLEMS/AGF	REEMENTS MADE:	·····	
PES PAR E KLO	THE CACH STATED THAT	NO HATES WILL RE ORI	UED
IN RC. PAD IN	GRIDS & ANDM EL	A.9 .	
. RES, RER F. KLUT	tBACH REQUESTED 1	NFO. AS TO WHERE TO I	DISPOSE
OF OIL SOARE	D SULL FROM D.E.R.		
· STUEL ORUMS MU	wed fron N.S.DE OF	SITE TO W.SIDE NOTA	FLOWER
St. INS/DE Fer	ace line		
TEST DATA: (List item(s) here a	nd record details on appropriate	test data sheet.)	
COMPACTION DATE	PER NTH / RUSSER	LOGS	<u> </u>
		· <u>····································</u>	
VISITORS: (Time, Representing	, Comments)		
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## DAILY REPORT

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WESTON WAY WEST CHESTER, PA 19300 PHONE: (215) 692-3030 TELEX: 83-5348

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/	JUHN D PAULIN	SUPERVISOR: D. BIELLILE	ie.
LOCATION:	- CLICE TO DA	WEATHER & TEMPERATURE:	
UADE 5/76	- Overney, PV,	DUDRUAST 1.4.A. ) - SUNNY 'PM.	
JOB NO: しつらや - 26- 03	-05	65°F 80°F	
DESCRIPTION OF WORK PERF 1) CONTRACTOR	ORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
· SPRUSS. FILL AND	GRADING ON SOUTH	Dast united	I
SIDE OF SITE		Cose Clean	1
· LUNALTING AREA	nde marentering	1.00 Roudt's	1
and a man		EN Brize de	
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			1
		-	+
) SUBCONTRACTOR:	······································	MATERIALS: (QUANTITY, PURPOSE)	
In this science se	CUICES	SELECT MACE FILL 1,175	1.01
ENMICAL ASSOCIAT	165		
NTH RUSSEL		1	
OMMENTS/PROBLEMS/AGR	EEMENTS MADE		
COMMENTS/PROBLEMS/AGR	EEMENTS MADE:		
COMMENTS/PROBLEMS/AQR	EEMENTS MADE:		
COMMENTS/PROBLEMS/AQR	EEMENTS MADE:		
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COMMENTS/PROBLEMS/AGR EST DATA: (List liem(s) here an <\\\\^\^\^\\\\.10 i\J CP	EEMENTS MADE:		
COMMENTS/PROBLEMS/AGRI EST DATA: (List liem(s) here an common common common common common common common common common common common common common common common common common common common common common common common common common common common br>common common br>common common commo common common br>common common br>common common br>common common br>common common br>common common comm	EEMENTS MADE:		
COMMENTS/PROBLEMS/AGR EST DATA: (Lisi (lem(s) here an <\\\\frac{1}{2}  10 iv) CAA ISITORS: (Time, Representing,	EEMENTS MADE:	LOGS	
COMMENTS/PROBLEMS/AGR EST DATA: (List item(s) here an 	EEMENTS MADE: 	LOQS	
COMMENTS/PROBLEMS/AGR EST DATA: (List item(s) here an くいかがれな、10 m Cen ISITORS: (Time, Representing, らいだ、パントロークリー	EEMENTS MADE:	- LOQS	764
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COMMENTS/PROBLEMS/AQR EST DATA: (Lisi liem(s) here an curring c. 10 pJ Cen ISITORS: (Time, Representing, Rock of concersory of	EEMENTS MADE:	- LOQS	764
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EJ 29 - 3 1	JOHN & FRIGHT	SUPERVISOR: N. A. Sund Cost	
LOCATION:	the attract Do	WEATHER & TEMPERATURE:	
2466 5	i le l'Anne de la letter	- SUMMER SUMMER	
IOB NO: 0739-24-03-05		75'F 9:57	
DESCRIPTION OF WOR	K PERFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
A DEFICE PLUM	AS HUD DUE PLOP	CGAS	1
1200 100 100	e office to future	fer G	,
17 N 16-20	T SLOPE OF SALLY AND	I DE RINLER	1,
المجارية المحسورية	LEVEL & OFELDERN	SAC BACH HE	1
· 6.2. 1. 1. 1.	IN' CAPACTION AT		
16 Sm Hell	AND CENTRAL PERTIN		
1.5 5.77		1	
• <u>REINCLE</u>	MARTIN FROM YOF		
()- F.1.	: IT AN HET THE	1	
C KUTE	این میں ایک میں		
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2) SUBCONTRACTOR	•	MATERIALS: (QUANTITY, PURPOSE)	
W COMPOSITING AND			
Ir Rost GLAR		Set of Born Fred 412 -	1.2
In And Guira Note Russe	त दला. (ड्र -	5-1-1- 6, M. H. E. L. 417 -	1.2
In 1914 Guine 1971 - Russen Dann 1952	., 5	<u>зелит велики. 4</u> 17 г.	1.2
IF 17.00 GUAR H71- RUSDG D.8444 HS3.00	., 561. (5 <u>)</u> - 1 ,	Selection for the Alter	12
Tr Not Guin Note Russe Both United COMMENTS/PROBLEM	다. 오페니 ( 프) - 	<u> 1997 - 1997 - 4197</u>	12
Tr. No. Gun No. Russe Denn Nosca COMMENTS/PROBLEM	LL Sett. ( 프) 	<u>50-25 60005- 417 -</u>	1.2
Pr. 2005 Guine Nove Russer Ditrix Discu COMMENTS/PROBLEM Quine Russer Quine Russer Quine Russer	14 Set. (B) - 1 4 IS/AGREEMENTS MADE:	<u>582-55 600000000000000000000000000000000000</u>	10
エレージャンシー Guine ハマニー Rudis Guine ハマニー Rudis Guine Differing いたまたは COMMENTS/PROBLEM ・ Rudis 1970 ・ パンロンド ビー ・ パンロンド ビー ・ パンロンド	IL SOL (B) - INAGREEMENTS MADE: There is in the target of	<u><u><u>y</u></u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u>y</u><u></u></u>	
IF         2005         Guint           NTL         Russer         Russer           Differing         Nisser         Russer           COMMENTS/PROBLEM         •         Nisser         Russer           •         Nisser         Russer         Russer	IL SOL (E) - IN/AGREEMENTS MADE: Total (I) formal Total (C. form I) for the Total (E) - Control (E) for the Control (E) - Control (E) for the Control (E)	Selection for the second secon	· · · · · · · · · · · · · · · · · · ·
Ir         Доб.         Guine           NT-         Russer         Russer           Date N         NSEC         NSEC           COMMENTS/PROBLEM         NSEC         NSEC           NSEC         NSEC         NSEC	LU SCHLIKE - IN/AGREEMENTS MADE: - - - - - - - - - - - - -	Selection for the second secon	
Tr         Red Game           パマニ         Red S Game           ウオママ         Red S Game           ウオマ         Red S Game           ロオマ         Red S Game     <	LU SCHUR (B) - INFAGREEMENTS MADE: - There is in the transformer - the intervention of the intervention - the intervention of the intervention o	Contraction of the second of t	22 
IF         Red Gene           NT-         Red Sec           NT-         Red Sec           OTHIN         NTEC           OMMENTS/PROBLEM         NTEC           NTEC         NTEC	LU SOLU (B) - IN/AGREEMENTS MADE: - - - - - - - - - - - - -	Contraction and the second	22 
Tr. (200)         Guint           NTL         RUESE           DEMON         RUESE           DEMON         RUESE           COMMENTS/PROBLEM         RUESE           PERSON         RUESE	LU SOLU (B) - LA IS/AGREEMENTS MADE: - Toda (A) Introd (Tray) Toda (A) Introd (Tray) - Coda (A) Introd (Tray) - - Coda (A) Introd (Tray) - - - - - - - - - - - - -	Contraction of the second	
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Tr. 1216         Guint           NTI-         RUESE           DETEND         NELE           DETEND         NELE           OMMENTS/PROBLEM         NELE           COMMENTS/PROBLEM         NELE           COMMENTS/PROBLEM         NELE	IL SOL (S) - - - - INAGREEMENTS MADE: - - - - - - - - - - - - -	<u> <u> <u> </u> /u></u>	
Tr. 1216         Guint           Nr14         Rudd Guint           Nr14         Rudd Guint           Drinn         Rudd Guint           Drinn         Rudd Guint           OMMENTS/PROBLEM         No.           No.         Rudd Guint           Rudd Guint         Rudd Guint	IL SOL (B) - IN/AGREEMENTS MADE: - - - - - - - - - - - - -	Selection         6.00000 Frag.         410000           Selection         6.00000 Frag.         410000           Selection         70000 Frag.         6.00000           Selection         7000000000         700000000           Selection         7000000000000000000000000000000000000	· · · · · · · · · · · · · · · · · · ·
Т. 2005 Guint           11 2005 Guint           2010 COMMENTS/PROBLEM           0         2010 COMMENTS/PROBLEM           COMMENTS/PROBLEM         2010 COMMENTS/PROBLEM	LU Setur (日) - - I M IS/AGREEMENTS MADE: - - - - - - - - - - - - -	Selection         6.000 (Control 100)         41.000           Selection         6.000 (Control 100)         41.000           Selection         7.000 (Control 100)         6.000           Selecti	· · · · · · · · · · · · · · · · · · ·
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Tr. 1210         Guint           NT         Russer           Differit         Russer           Differit         Russer           OMMENTS/PROBLEM         O           O         Russer           Particle         Russer           Russer         Russer           Particle         Russer           Particle         Russer           Particle         Russer           Particle         Russer           Particl	していていていた。 「 「 「 「 「 「 「 「 」 」 「 」 」 「 」 」 」 「 」 」 」 「 」 」 」 」 」 」 」 」 」 」 」 」 」	<u><u><u></u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	2
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WESTON WAY WEST CHESTER, PA 19380 PHONE: (215) 692-3030 TELEX: 63-5348

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En de Grand Specification 15 - Eutres (Contractor) 0.5004, Reference Failer Allower Barris Ander COMMENTS/PROBLEMS/AGREEMENTS MADE: 1.500 - CE Failer Pitter 1.500 - CE Failer Pitter 1.500 - CE Failer 1.500 - CE Fai	Ст., 8. н. (1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	M ₁ F(-)     A       ✓ 4 2     -     -       ✓ 5 2     -     -       ✓ 5 2     -     -       Ø     -     -       Ø     -     -       Ø     -     -       Ø     -     -       Ø     -     -       Ø     -     -       Ø     -     -       Ø     -     -       Ø     -     -       Ø     -     -       Ø     -     -       Ø     -     -       Ø     -     -       Ø     -     -       Ø     -     -	65 ml	
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En de Grand Set inde IT - Eltipel (Proteiner, M) D. Sand, R. R. K. Comments/PROBLEMS/AGREEMENTS MADE: Comments/PROBLEMS/AGREEMENTS MADE: Comments/PROBLEMS/AGREEMENTS MADE: Comments/PROBLEMS/AGREEMENTS MADE: Comments/PROBLEMS/AGREEMENTS MADE: Comments/PROBLEMS/AGREEMENTS MADE: Comments/PROBLEMS/AGREEMENTS MADE: Comments/PROBLEMS/AGREEMENTS MADE: Comments/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS MADE: Comments/PROBLEMS/AGREEMENTS MADE: Comments/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/AGREEMENTS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMENTS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PROBLEMS/PR	2.5. 8. № (2.5. 8. № (3.5. 1.5. 1.5. 1.5. 1.5. 1.5. 1.5. 1.5.	Mic     File     A       Image: A start     Image: A start     Image: A start       Image: A start     Image: A start     Image: A start       Image: A start     Image: A start     Image: A start       Image: A start     Image: A start     Image: A start       Image: A start     Image: A start     Image: A start       Image: A start     Image: A start     Image: A start       Image: A start     Image: A start     Image: A start       Image: A start     Image: A start     Image: A start       Image: A start     Image: A start     Image: A start		τ. 
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WESTON WAY WEST CHESTER, PA 19380 PHONE: (215) 692-3030 TELEX: 83-5348

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LOCATION:	WEATHER & TEMPERATURE:	
108 NO: 0.739 - 34-04 (05	- Schuld Floring - Schuld	\$ 64 ⁻¹
DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
	00743 630	
· France Frank A. P. CLARING, MEN. SECTO	1996 4 H 27 - 1996	· · ·
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• EXTENDED CASE NO.5	WASUR DOGS	•
· condition to T white there in the the 2	0464.47CR1	ä.
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· REALT RUPECE CONTINUE PART	1. 98x31 24	
FRINC YOU MUTTIN TO FRINKE LOW		
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SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	,
In And Adams Seconds	Mr. File Mappinge 2,058,	540
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LOCATION: WADE SITE, CHESTER, PA. JOB NO: 0739-26-03-05 DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR • PLACE FILL AND LUMPACTION SOUTH OF 1500 LINE • GRADE SWALE ON WEST SIDE OF SITE WURTH OF 1100	WEATHER & TEMPERATURE: RAIN (A.M.) - OUERCAST ( GSOF 75°F PERSONNEL & EQUIPMENT: DESCRIPTION DOZER GSE MACKHOE 550 ROLLER 1102 LUADER 0665 OPERATORS SUPERUISULS LAARERS	P, M. )
JOB NO: 0739 - 26-03-05 DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR • PLACE FILL AND CUMPACTION SOUTH OF 1500 LINE • GRADE SWALE ON WEST SIDE OF SITE WURTH OF 100	- RIMN (4.M.) - OUELOAST ( GSOF 750F PERSONNEL & EQUIPMENT: DESCRIPTION DOZER GSE MACKHOE SSO ROLLER 1102 LUADER 0665 OPERATORS SUPERUISUSS LAARERS	NUMBER I I I I
DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR • PLACE FILL AND CUMPACTION SOUTH OR 1500 LINE • GRADE SWALE ON WEST SIDE OF SITE WURTH OF 1100	PERSONNEL & EQUIPMENT: DESCRIPTION DOZER 65E GALLEC NOZ LUADER 0665 OPERATORS SUPERUISULS	NUMBER
PLACE FILL AND CUMPACTION     SOUTH OF 1500 LINE     GRADE SWALE ON WEST SIDE     OF SITE WURTH OF 1100	DOZER         65E           BACKHOE         550           ROLLER         1102           LUADER         0665           OPERATORS         50 PERUISALS           LAAREES         50	
PLACE FILL AND CUMPACTION     SOUTH OF 1500 LINE     GRADE SWALE ON WEST SIDE     OF SITE WURTH OF 1100	6476.XHOE         550           ROLLER         1102           LUADER         0665           OPERATORS         50 PERUISALS           LAARERS         50 PERUISALS	) ) 1
SOUTH OR 1500 LINE • GRADE SWALE ON WEST SIDE OF SITE WURTH OF 1000	Roller 1102 Luader 0665 Operators Superuisals	1
• GRADE SWALE ON WEST SIDE OF SITE WURTH OF 1100	LUADER 0665 OPERATORS SUPERVISINS LANRERS	1
• GRADE SWALE ON WEST SIDE OF SITE WURTH OF 1100	OPERATORS SUPERVISORS	1
of site wurth of 1100	SUPERVISORS	3
	LAMRERS	1 .
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	(17 (04405)	
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
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EST DATA: (List item(s) here and record details on appropriat	o test data sheet.)	
Comparition with test results pe	R NTH RUSSEL LOGS	
ISITORS: (Time, Representing, Comments)		
JUAN CLAY POUL		
	: []	<del>3772</del>
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## DAILY REPORT

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WESTON WAY WEST CHESTER, PA 19380 PHONE: (215) 692-3030 TELEX: 83-5348

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DATE: 10 JUNE 1987	BY: John D. Pauling	SUPERVISOR: M.MELLINGE	१
LOCATION: WADE SITE,	CHESTER, PA.	WEATHER & TEMPERATURE:	(0m)
JOB NO: 0739 - 26- 0	3-05	60°F 75°1	(••••,•••,•)
DESCRIPTION OF WORK PER 1) CONTRACTOR	FORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
	,	DOZER OSE	
· PLACE FILL A	NO COMPALT	BACK HOE 550	1 1
AT SOUTH ENC	OC SITE	ROLLER 1102	
		LUMDER D665	
. GRADE CHIME	ON WEST SIDE	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
		CLOSENIKES	+
01 2118 20014		SUPERCIALS	
	101		
REPACK DRUMS F	RUM SIEEL TOU	000011, CLMLK 140	
PLASTIC CONTAINE	<i>nus</i>		
	•		
2) SUBCONTRACTOR:		MATERIALS: (QUANTITY, PURPOSE)	
IN AND GUARD SERV	145	ML FILL MATERIAL 2,652	,120 🖷
NTH RUSSEL		(61 LOADS)	
······································		••••••••••••••••••••••••••••••••••••••	
COMMENTS/PROBLEMS/AGR	EEMENTS MADE:		
	ADUE		
TEST DATA: (List item(s) here an	d record details on appropriate i	est data sheet.)	
COMPACTION DATA	BUT RESULTS A.C.	NTH/ RUSSEL LOGS	
		<u></u>	
VISITORS: (Time, Representing,	Comments)		
	AKINE		44473
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	V.V.TE	5728NI	WESTON WAY WEST CHESTER	PA 19380
DAILY REPORT		DESCRETISCONSULTANTS	PHONE: (215) 692 TELEX: 83-5348	
I JUNE 1987 JOHN D. PAI	ULING	SUPERVISOR:	M.MELLING	er
LOCATION:	η.	WEATHER & TEM	PERATURE:	
JOB NO: 0239 - 26-03-05		SUNNY (Am.)	- SUNNY (	(P. m.)
DESCRIPTION OF WORK PERFORMED;		PERSONNEL & EC	UIPMENT:	· · · · · · · · · · · · · · · · · · ·
1) CONTRACTOR		DESC	CRIPTION	NUMBER
·· PLACE PILL AND COMPACE A	Τ	DOZER GSE	·	
SOUTH END OF SITE	A	BYOCHUE 300		<u> </u>
· FUTLE FILL HIND CONTING I	<u>r1</u>	I WADER DAG	5	
· GOADE CLARE AN LINET CH	)E	OPERATIOS		- 2
AS SITE SOTAL (S E-MOS		SUPERVISURS		
· DEPACK DRUMS PRUM STH	ຄ	LANCRETZS		
TO PLASTIL CONTAINERS		BOBCAT, CLA	28 743	
2) SUBCONTRACTOR:		MATERIALS: (QUA ML FILL MA	NTITY, PURPOS Terzian 1, 289	e) ,700 <b>4</b> 4
COMMENTS/PROBLEMS/AGREEMENTS MADE:				
NON	E		<u>_</u>	
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TEST DATA: (List item(s) here and record details o	n appropriate t	est data sheet.)		
COMPACTION OFTA TEST RESU	LIS PER	NTH / RUSS	EZ LOGS	a an
4		· · · · · · · · · · · · · · · · · · ·		
VISITORS: (Time, Representing, Comments)				
RUB ALLEN			·	
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DATE: 12 JUNE 1987 BY: JOHN D. PA	UNY SUPERVISOR: F. KLOTZOACH	H /M. MALINGER
LOCATION: WADE SITE CHESTER PA	WEATHER & TEMPERATURE:	
JOB NO: 0739 - 26 -03 - 05	SUNNY (A.M.) - OU FROGST 70°F 75°F	(p.m.)
DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
· MOUE OIL/GRASE LADER SOIL TO	DOZER GSE	
AROA GRIDS ZUEZI TO COMPLET	UP BACKHOE SSO	1
TO 6" FRUM FINAL GRADE	POLLER NOZ	1
· FILL & CUMPACTION AROUND WELLS	LANDER D665	1
· GRAD SUALE AND CUMBERTS	TH OPERATU2S	3
OF 1000 ON WEST SIDE OF SIT	SUPERVISORS	2
. GRADE AND COMPACT SOUTH OF 10	o labolels	2
ON NORTH SIDE OF SITE.	TAMPER	1
· CONSTRUCT STALE FILTER DERM	1	
SUUTH EDD OF SITE IN SUALE	ON	
EAST AND WEST SIDE		
Z) SUBCONTRACTOR:	MATERIALS (UDANTIT, PURPOS	ж) КА Ж
DA AND QUICES		<u> </u>
NTH ROSSEC		# (2/0005)
		#(20005)
COMMENTS (DROB) EMS/AGREEMENTS MADE		
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· <u>····································</u>		
		······································
TEST DATA: (List filem(s) here and record details of	appropriate test data sheet.)	
CUMPACTION DATA TEST RESULTS	er with russes logs	
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VISITORS: (Time, Representing, Comments)	· · · · · · · · · · · · · · · · · · ·	
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## DAILY REPORT

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WESTON WAY WEST CHESTER, PA 19380 PHONE: (215) 692-3030 TELEX: 83-5348

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DATE: IS JUNE 1987	BY: JOHN O. PAULINZ	CONTRACTORS SUPERVISOR: M. MELL	Incher
LOCATION: WADE SITE	CHESTER , PA	WEATHER & TEMPERATURE:	<u></u>
JOB NO: 0739 - 26-03	-05	SUMNY (A.M.) 7547	· •
DESCRIPTION OF WORK PER 1) CONTRACTOR	FORMED:	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
. PLACE THP SOIL A	T NACTH END OF	DORER GSE	1 · · · · · · · ·
SITE		OACKHOE 580	1
· CONSTRUCT STOLE FIL	ter derm in	ROLLER 1102	
WEST SWALE AT S	NUTH END OF-SITE	LOADER DG65	
· CLEAN NETR WEST	PENCE AT LEXTAM	OPERAPICIE	3
PORTION OF SITE		SUPERVISORS	······································
· FINISH ML FILL I	N WESTSWALE AT	TANPER	
NUCTH END OF	SITE ( WILL FIRISH ON		
16 JULE 1987)	<b>\</b>		
. LUND WASTE ON TR	AILER TO GO TO		
OSX (HAT: WASTE)	Net Weicht - 16 ROZ		1
	1161 EVERYES - 17 200		
2) SUBCONTRACTOR:		MATERIALS: (QUANTITY, PURP	POSE)
TH AND GUARD	SERVICES	719 501 2590,040	# (63 40405)
WTH RUSSEL		785DJE 71760	=# (1(0+0)
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······			
COMMENTS/PROBLEMS/AGE	EEMENTS MADE		
Commenter Hougemon Aur			
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	None		
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			<u> </u>
TEST DATA: (List item(s) here a	nd record details on appropriate	test data sheet.)	
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	WITE IST NONLIS T	CA MINI AVASCA PAGS	<u> </u>
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DAILY REPORT	VESTON WAY WEST CHESTER, PA 192 PHONE: (215) 692-3030 TELEX: 03-5348	380
DATE: BY: SPH	CONTRACTORS	
LOCATION:	WEATHER & TEMPERATURE:	
Wade Site - Cheske, FA.	orocast (Am) -> Swany	
JOB NO:	70- 92°F	
DESCRIPTION OF WORK PERFORMED:	PERSONNEL & EQUIPMENT:	
1) CONTRACTOR	DESCRIPTION	NUMBER
· placed top soil in gride 1 -> 9	65E Dozer	
and throughout center 1/2 of	580 Erethie	/
s.fe.	Koller (1102)	
	D665 Loader	
tinished construction of stone tilles	Tample	
hums and placed tip cap along	Aperatore Consider	
Souther torrelibe	20200000	
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
- IH & Enned Suis, Continue	Tep Soil = 53 kals (2,	302,740*)
- Compaction Testing	ML Fill = 9 104 04 (443, 20	10 *)
- Soil Transportation		
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
IANE		
Nor		
TEST DATA: (List Item(s) here and record details on appropriate	e lest data sheet.)	
Compaction data nea NTHIQU	ssell locs	
Kelenned workaked cross sections	tram Damon Hossiciat	<u>s</u>
VISITORS: (Time, Representing, Comments)		
LORNA Shull, USERA, Site V.	sit	
Pup France OF IK Cond 6. 1-11		<u> 100                                    </u>
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MWWGER	CONTRACTORS	·
17 June 1981 Anne Clanger	SUPERVISOR: M. Miellin	SCE.
LOCATION:	WEATHER & TEMPERATURE:	
JOB NO:	62-085	<b>I</b>
0139-26-03-05	Licht to Nie tunte bi	ild's
1) CONTRACTOR	DESCRIPTION	NUMBER
· placed top soil throughout on	er 65 Edoren	
1/2 of site	TSA Brakhung	
withhed be als store core	DIAS Inclus	-+;
- present present contract	Tamarc.	
begon while to remore hilding to	de Groenine	/
	OperAt.C.S	
son trup secure disconcreted	·	
water session hermanted		
COUPT 25 THIS FURCE FURCEARES C. F		· ·
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
C. I Leoner th	ne Top Soil =	
201 71116.97.007		
COMMENTS/PROBLEMS/AGREEMENTS MADE:		
- breen with line whide +	hart force lies between	1 1000222
And make bak gove in the	Tite: Classic water p	Sector tra
- cu sivere to play the service	or the man.	
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TEST DATA: (List item(s) here and record details on approp	riate test data sheet.)	
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A.I.N.E		
N.I.W.		
//J.1/1/2 //SITORS: (Time, Representing, Comments)		
N.C.N.E //SYTORS: (Time, Representing, Comments)		
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e militar. edaluterrow. Some WESTON WAY WEST CHESTER, PA 19380 PHONE: (215) 692-3030 TELEX: 83-5348 DAILY REPORT MANAGERS DESIGNERS/CONSULTANTS CONTRACTORS SUPERVISOR: M. Mellinger /F. Klotebrah DATE: 18 JUNE 1987 sect LOCATION: hiAde Sit - Chester, FA. Sunny All day 65-87 JOB NO: 0739-26 03-05 Machinek winds All day DESCRIPTION OF WORK PERFORMED: 1) CONTRACTOR PERSONNEL & EQUIPMENT: DESCRIPTION NUMBER DOZER (65E) · placed tops oil Neme RIVER ANd 500 BACKhor Alony Flower St. 1102 Rolier Removal DER And RES office DELS Londer traines. Reieneka' auso fisiles Pueso Postpile Generation removed truck scale and becom Succidiser 2 demolition of campos Corritore 3 prisped remaind of elec service 2) SUBCONTRACTOR: MATERIALS; (QUANTITY, PURPOSE) Torsal are RES records . IH and quard sinces contruire - So 1 transport - ElectriciAN SULVICES COMMENTS/PROBLEMS/AGREEMENTS MADE: The Const Control Londfill in Nuclinaniptoni is. Pr. will accept the ally Sal file. RES to propose & experies. Mudit & personale. TEST DATA: (List Item(s) here and record details on appropriate test data sheet.) . T/N VISITORS: (Time, Representing, Comments) TA DER Contraction, Officer - Site Visit D. Beckers -70778 4

	CONTRACTORS	
19 June 1987 John E. Clesnort	SUPERVISOR: M. Mellinger	
LOCATION: World Cit - March - De	WEATHER & TEMPERATURE:	
JOB NO:	-1	
0731-26-03-05	PERSONNEL & FOLLOWENT	
1) CONTRACTOR	DESCRIPTION	NUMBER
- continued demolition of truck	580 brekhoe	1
SLATE CAMPS and foundations	1102 D.11-	+ . ,
- presention separa track note:	e 665 1 notes	<u>'</u>
of site.	Portable generate	./
· placed coushed seeks trank and other	- Supervisor	/ /
debas in celleft container	Decators	2
· removed works meter box.	LABOICI	+ <u>/</u>
- v=zare garen virg humans are typswi	<u></u>	
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housed contines and	MALERIALS; (UUANTITY, PURPOSE)	
The last day of The barbariant		
services.		
	PER RES' records	
COMMENIS/PHOBLEMS/AGREEMENTS MADE:		
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TECT DATA, ALAMA, ANA		
1231 UNIA: (LIST Hem(s) here and record details on appropris	are test data sheet.)	
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VISITORS: (Time, Representing, Comments)		
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ALONE		1
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DATE: 25 June 198? John Clamport LOCATION: WAde Site - Chester, TA.	CONTRACTORS SUPERVISOR: Mike Michinger	
25 June 1987 John Clamport LOCATION: WAde Sik - Cheska, FA.	SUPERVISOR: Mite Mellinger	
WAde Ste - Chester, TA.	WEATHER & TEMPERATINE.	
	Swamp - 85%	
JOB NO: 0739-26-03-05	Moderate winds	
DESCRIPTION OF WORK PERFORMED; 1) CONTRACTOR	PERSONNEL & EQUIPMENT: DESCRIPTION	NUMBER
- iclocoked studge in steel dumes into	580 backfore	/
a (radiustry) box trajar.	Superiorsare	
- continued general site cleanup	aperater.	
	Laburers	
	1	
2) SUBCONTRACTOR:	MATERIALS: (QUANTITY, PURPOSE)	
- Frusid services continue		•
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COMMENTS/PROBLEMS/AGREEMENTS MADE:	Per RES records	
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TEST DATA: (List item(s) here and record details on appropriat	le test data sheet.)	
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VISITORS: (Time, Representing, Comments)	•	·

COMMONWEALTH OF PENNETLVANIA OA-SOE REV. 78-18 DESK MEMORANDUM SUBACT Λ ł₽ ~ • DATE MATE S MILLOLO 88 PLEASE CALL: APPROVAL SEE ME AS REQUESTED COMMENT RETURNED YOUR CALL INFORMATION PREPARE REPLY/REPORT NOTE AND FILE MCEIVED BY DATE TIME ROUTE INITIAL DATE ROUTE INITIAL DATE HEMALE

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