ENGINEERING CHANGE NOTICE

1. ECN 644556

Proj. ECN

2. ECN Category (mark one)	3. Originator's Name, Organization, MSIN, and Telephone No.	4. USQ Required?	5. Date
Supplemental [ ] Direct Revision [X] Change ECN [ ] Temporary [ ] Standby [ ] Supersedure [ ] Cancel/Void [ ]	Steven M. Joyce, WMH Strategic Planning, H6-06, 372-2971	[ ] Yes [X] No	01/23/98
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[ ] Yes (fill out Blk. 12b) [X] No (NA Blks. 12b, 12c, 12d)	N/A	N/A Design Authority/Cog. Engineer Signature & Date	N/A Design Authority/Cog. Engineer Signature & Date

13a. Description of Change

13b. Design Baseline Document? [ ] Yes [X] No

Analytical Services Projections have been updated to November 1997.

14a. Justification (mark one)

Criteria Change	[X]	Design Improvement	[ ]	Environmental	[ ]	Facility Deactivation	[ ]
As-Found	[ ]	Facilitate Const	[ ]	Const. Error/Omission	[ ]	Design Error/Omission	[ ]

14b. Justification Details

Analytical Services Projections are updated twice per year to allow for Analytical Services Program planning.

15. Distribution (include name, MSIN, and no. of copies)

S. M. Joyce (3) H6-06
K. M. Quigley (1) H6-06
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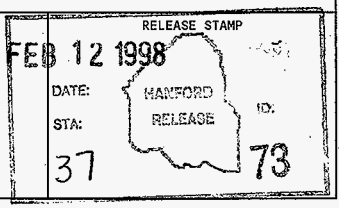

ENGINEERING CHANGE NOTICE

1. ECN (use no. from pg. 1): 644556

16. Design Verification Required	17. Cost Impact				18. Schedule Impact (days)	
	ENGINEERING		CONSTRUCTION			
[] Yes	Additional	[] $	Additional	[] $	Improvement	[]
[X] No	Savings	[] $	Savings	[] $	Delay	[]

19. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 13. Enter the affected document number in Block 20.

SDD/DD	[]	Seismic/Stress Analysis	[]	Tank Calibration Manual	[]
Functional Design Criteria	[]	Stress/Design Report	[]	Health Physics Procedure	[]
Operating Specification	[]	Interface Control Drawing	[]	Spares Multiple Unit Listing	[]
Criticality Specification	[]	Calibration Procedure	[]	Test Procedures/Specification	[]
Conceptual Design Report	[]	Installation Procedure	[]	Component Index	[]
Equipment Spec.	[]	Maintenance Procedure	[]	ASME Coded Item	[]
Const. Spec.	[]	Engineering Procedure	[]	Human Factor Consideration	[]
Procurement Spec.	[]	Operating Instruction	[]	Computer Software	[]
Vendor Information	[]	Operating Procedure	[]	Electric Circuit Schedule	[]
OM Manual	[]	Operational Safety Requirement	[]	ICRS Procedure	[]
FSAR/SAR	[]	IEFD Drawing	[]	Process Control Manual/Plan	[]
Safety Equipment List	[]	Cell Arrangement Drawing	[]	Process Flow Chart	[]
Radiation Work Permit	[]	Essential Material Specification	[]	Purchase Requisition	[]
Environmental Impact Statement	[]	Fac. Proc. Samp. Schedule	[]	Tickler File	[]
Environmental Report	[]	Inspection Plan	[]		[]
Environmental Permit	[]	Inventory Adjustment Request	[]		[]

20. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision	Document Number/Revision	Document Number Revision
None		

21. Approvals

Signature	Date	Signature	Date
Design Authority		Design Agent	
Cog. Eng. S. M. Joyce	1/23/98	PE	
Cog. Mgr. K. M. Quigley	1/23/98	QA	
QA		Safety	
Safety		Design	
Environ.		Environ.	
Other		Other	
		DEPARTMENT OF ENERGY	
		Signature or a Control Number that tracks the Approval Signature	
		ADDITIONAL	

Hanford Analytical Sample Projections FY 1998 - FY 2002

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Key Words: Analytical Services strategy, sample projections, Environmental Restoration, TWRS, Liquid Effluents, Solid Waste, Industrial Hygiene, Site Monitoring, Field Sampling, TRU.

Abstract: Analytical Services projections are compiled for the Hanford site based on inputs from the major programs for the years 1998 through 2002. Projections are categorized by radiation level, protocol, sample matrix and Program. Analyses requirements are also presented.

J.W. Strand 2.12.98
Release Approval Date

Approved for Public Release

RECORD OF REVISION	(1) Document Number HNF-SD-WM-TI-608 Rev. 6	Page 1

(2) Title
Hanford Analytical Sample Projections FY 1998-2002

CHANGE CONTROL RECORD

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1.0 PURPOSE

This document summarizes the Hanford sample projections for fiscal years 1998 to 2002. Sample projections are based on inputs submitted to Analytical Services covering Environmental Restoration, Tank Waste Remediation Systems (TWRS), Solid Waste, Liquid Effluents, Spent Nuclear Fuels, Transition Projects, Site Monitoring, Industrial Hygiene, Analytical Services and miscellaneous Hanford support activities. In addition, details on laboratory scale technology (development) work, Sample Management, and Data Management activities are included. This information will be used by Hanford Analytical Services (HAS) and the Sample Management Working Group (SMWG) to assure that laboratories and resources are available and effectively utilized to meet these documented needs.

2.0 SCOPE

The sample projections for each activity are categorized by radioactivity, analyte, protocol, matrix, laboratory scale technology (development), sample management, and data management as follows:

Radioactivity:

Category 1	Non-Radioactive
Category 2	<1 mR/hr ß-γ; <10 nCi/g α
Category 3	1 mR/hr ß-γ to <10 mR/hr ß-γ; and <10 nCi/g α
Category 4	<10 mR/hr ß-γ; and <200 nCi/g α
Category 5	10 mR/hr ß-γ to <100 mR/hr ß-γ; and <200nCi/g α
Category 6	>100 mR/hr ß-γ
Category 7	>200 nCi/g α

Analytes: Analytes are grouped into the following categories: VOA/semi-VOA, Pesticides/PCBs, WTPH/Oil and Grease, Flash Point, Other Organics, Anions, Metals, DSC/TGA, Wet Chemistry, TOC/TIC, Cyanide, Mercury, Cr-VI, TCLP, Density/SpG, pH/Conductivity/OH^-, Other Inorganics, Mass Spectrometry, Asbestos, NDA, Gross Alpha/Beta, Gamma Energy Analysis, Uranium, Am-241, C-14, H-3, I-129, Pu-238/239/240, Se-79, Sr-90, Tc-99, NDA and other Radiochemistry.

Protocol: Protocols include: Resources Conservation Recovery Act (RCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), Clean Water Act (CWA), Clean Air Act (CAA), Industrial Hygiene (IH), NDA, process control, and National Pollution Discharge Elimination System (NPDES), Permit 216, 10 CFR 834,10 CFR 835, CLP, and others.

Matrix: The matrix describes the physical characteristics of samples. Matrices are grouped into the following categories: liquid, solid/soils, sludge, vapor, and other.

Laboratory Scale Technology (development):
The laboratory scale technology (development) section includes a listing with a brief description on each project support activity, cost, resources, and space requirements.

Sample Management:
The sample management section identifies the organizations and the number of FTE's which support activities for data management, contract management, project coordination, laboratory overview, sample/waste return support, and planning/data quality objectives.

Data Management:
The data management activities section identifies data bases utilized and links to other systems including laboratory systems.

Funding levels (fully burdened) associated with the sample projections were requested and are included by activity when provided.

Program activities for which sample projections were anticipated are listed below; inputs not received are identified with an asterisk*:

Environmental Restoration:

- 100 Area: 100-Area Remaining Sites, 100-BC, 100-BC-5 RI, 100-HR-3 IRM, 100-HR-3 RI, 100-KR-4 IRM, 100-KR-4 RI, 100-N Deactivation, 100-N NFM, 100-NR-2 Process, 100-NR-2 RI, 183-N Water Plant 216 Permitting, 116-N Stack, N Area/N Springs
- 200 Area: 200-BP-11, 200-UP-1 IRM, 200-ZP-1 IRM, 200 Areas Source
- 300 Area: 300-FF-1, 300-FF-5
- D&D Projects
- Horn Rapids
- Environmental Restoration Disposal Facility
- Non-Radioactive Dangerous Waste Landfill (NRDWL)

Tank Waste Remediation System (TWRS):

- -- TWRS Waste Storage and Operations
  - o Tank Farm Operations
    - West Area Tank Farms*
    - East Area Tank Farms*
  - o TWRS Characterization Project
    - Cores
    - Grab
    - Vapor
    - Evaporator Process Samples
- -- TWRS Waste Disposal
  - o TWRS Privatization (Retrieval)
  - o TWRS Privatization (Treatment and Disposal)
- -- Vitrification Plant*
- -- Waste Form Certification*

Solid Waste:

- -- Central Waste Complex
- -- Mixed Waste Trench
- -- WRAP 1
- -- T-Plant

Liquid Effluents:

- -- 200 Area LEF (Liquid Effluent Facility)
- -- 300 Area LEF
- -- 242A Evaporator (included for this revision with TWRS)

Spent Nuclear Fuels:

- -- Spent Nuclear Fuel Basin Sludge Characterization
- -- Liquid Discharge
- -- Center Basin
- -- Effluent Treatment Facility Transfer water
- -- KW Filter Pit
- -- KW Canister Liquid
- -- 183-KE Air Laboratory

Transition Projects:

- -- Plutonium Finishing Plant (PFP) Transition Project
- -- B-Plant
- -- WESF Transition Project
- -- FFTF
- -- 309 Facility Transition Waste Characterization

Analytical Services:

- -- Sample/Secondary Waste Return
- -- QA Samples
- -- Operations Support
- -- Decentralized Laboratory Support*

Site Monitoring:

- -- Environmental Monitoring
- -- Hanford Groundwater Monitoring Project
- -- Bioassay Program
- -- Environmental Support (Effluent and Near Field Monitoring)
- -- Stack Monitoring*
- -- Room Air Monitoring*
- -- Spent Nuclear Fuel

Industrial Hygiene:

- -- Industrial Hygiene
- -- Drinking Water*

Miscellaneous Hanford Support:

- -- Construction Projects*

3.0 SUMMARY

During FY 1995 and FY 1996 substantial reductions in analytical service needs occurred at Hanford. Analytical service needs in FY 1998 are projected to be at a level similar to FY 1996 and FY 1997. Decreases in analytical needs are projected for FY 1999 through FY 2002. The projections for fiscal years 1998 through 2002 are summarized in five Tables: Table 1 provides the overall Hanford site sample projection summary, Table 2 categorizes the information by radiation level, Table 3 by analysis, Table 4 by protocol, and Table 5 by sample matrix.

Table 1
Hanford Program Sample Projection Summary

Program	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
Analytical Services	1251	1213	1213	1213	1213
Environmental Restoration	6799	2279	1826	1829	1755
Industrial Hygiene	2894	2894	2894	2894	2894
Liquid Effluents	1795	1795	1795	1997	1593
Site Monitoring	9623	9590	9571	9552	9533
Solid Waste	6444	6308	6087	5903	5903
Spent Nuclear Fuels	5722	7681	7681	6617	6617
Tank Waste Remediation System	2034	1636	1267	1613	1313
Transition Projects	23637	23107	23135	19958	19957
TOTAL	60199	56503	55469	51576	50778

Table 2
Yearly Sample Projections Summary by Radiation Level

Radiation Level	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
Non-Radioactive	10341	9413	9302	9461	9074
<1 mR/hr beta-gamma;<10 nCi/g alpha	17432	17017	16486	15267	15186
1 to <10 mR/h beta-gamma; and <10 nCi/g alpha	6542	4959	4798	4809	4780
<10 mR/hr beta-gamma; and <200 nCi/g alpha	37	30	30	29	29
10 to <100 mR/hr beta-gamma; and <200 nCi/g alpha	655	587	592	587	587
>100 mR/hr beta-gamma	1179	1061	775	1134	834

>200 nCi/g alpha	24013	23436	23486	20289	20288

Table 3
Yearly Sample Analysis Projections Summary

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
AM-241	1208	746	656	680	628
ANIONS	10267	10026	9225	6566	6218
ASBESTOS	1632	1563	1448	1448	1448
AT/TB	19153	22424	21726	20847	20273
C-14	235	282	230	219	191
CR-VI	586	180	290	311	276
CYANIDE	678	725	664	699	577
DENSITY/SpG	1070	1230	731	945	753
DSC/TGA	10610	10018	8596	6047	5613
FLASH POINT	253	251	233	223	213
GEA	8031	6992	6383	5533	5152
H-3	2627	2512	2460	2471	2396
I-129	478	490	478	490	478
MASS SPEC	1962	1970	1700	1744	1699
MERCURY	1328	1068	1062	1132	984
METALS	15084	10969	9867	7034	6577
NDA	10742	10775	10767	10767	10767
OTHER INORGANICS	4811	4524	4389	4405	4380
OTHER ORGANICS	1596	1810	1342	1310	1300
OTHER RAD CHEM	29874	27842	27464	24501	24384
PEST/PCB	577	499	377	359	339

pH/CONDUCT/OH-	6935	3409	3158	3184	3145
PU-238/39/40	3958	3415	3365	3158	3125
SE-79	62	52	44	38	38
SR-90	3051	2527	2403	2397	2397
TC-99	930	815	719	750	694
TCLP	272	224	218	213	213
TIC/TOC	4528	5011	3911	4171	3885
URANIUM	2581	2053	1949	1980	1831
VOA/SVOA	6197	2393	2239	2265	2137
WET CHEMISTRY	1688	1509	1509	1685	1333
WTPH/OIL/GREASE	402	398	382	370	358
TOTAL	153306	138602	129885	117842	113702

Table 4
Yearly Sample Projections by Protocol

Protocol	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
10CFR834	2146	2146	2146	2146	2146
10CFR835	17035	18994	18994	18994	18994
216 PERMIT	160	320	160	320	320
40CFR61 (CAA)	65	65	65	65	65
CAA	600	600	600	600	600
CWA	197	197	197	330	64
DOE5633.3	450	450	450	450	450
DOE5633.3/5820.2A	7	7	7	7	7
EPA	4728	1122	869	892	818
IH	3064	2994	2894	2894	2894

NPDES	4	4	4	4	4
OTHER	150	150	150	150	150
PROCESS CONTROL	18945	17450	17492	13306	13230
RCRA	7460	6901	6353	6350	5968
SCREENING	30	30	30	30	30
SDWA	18	18	18	18	18
TRU	135	35	20	0	0
WIPP	5005	5020	5020	5020	5020

Table 5
Yearly Sample Projections by Matrix

Matrix	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
LIQUID	14026	13890	13745	9871	9479
OTHER	33692	35280	34774	34603	34546
SLUDGE	1058	989	748	1102	766
SOLID/SOIL	10303	5439	5375	5181	5168
VAPOR	1120	905	827	819	819

This report includes only those program needs and funding which were identified in correspondence. The overall quality of inputs received from the programs is judged to be good. Uncertainties in some programs are evident from omissions in the sample projections. Known activities for which information was not provided include TWRS West and East Area Tank Farms, Vitrification Plant, Waste Form Certification, and Drinking Water. Needs for Stack and Room Air Monitoring, Construction Projects, Environmental Support and Industrial Hygiene were only partially identified by the programs. During the next quarter HAS will work with Hanford contractors (PHMC companies, BHI, and PNNL) to improve these projections.

4.0 DISCUSSION

The Analytical Services Program updates this Hanford Analytical Sample Projections report bi-annually (November and May). A request for a sample projection update was distributed to Hanford programs in April, 1997. The sample projections are utilized by the Hanford Analytical Services to assure that timely, cost effective, and quality laboratory support is available. It is understood that sample information may not always be well defined (i.e. budgets, strategies, etc.), but programs were still requested to provide their best estimate of analytical needs. The tables list number of samples by category. There is limited information on the complexity or amount of analytical work required to analyze the samples.

4.1 Environmental Restoration

Sample projections for the Environmental Restoration program are provided for 100, 200, and 300 Areas, plus Decontamination and Decommissioning, Horn Rapids, Environmental Restoration Disposal Facility, and NRDWL.

Table 6 provides the yearly sample projection by radiation level. Table 7 provides the yearly sample analysis summary. Table 8 provides the yearly sample projections by protocol. Table 9 provides the yearly sample projections by matrix. Table 10 provides the yearly funding levels where identified.

TREND

Environmental Restoration sample projections for FY 1998 compared to FY 1997 show a leveling in the number of samples, with a greater number of low activity samples and fewer category 3 samples. There is a significant growth in the number of TRU samples; D&D projects forecast 135 TRU samples which require metals and radchemistry analyses. Also a doubling in the number of analyses is projected, with the greatest increase in metals, pH/conductivity, and VOA/SVOA. In addition there is a shift to more complex matrices (soils and sludges).

Environmental Restoration sample projections for FY 1999 and beyond show a significant decrease in the number of samples (factor of 3) and in the number of analyses (factor of 4) when compared to FY 1998 projections.

Additional information provided by ER reflects a nearly 50% decrease in the number of samples during the last half of FY 1997 compared to the November 1996 projections.

Table 6
Yearly Sample Projections by Radiation Level for the Environmental Restoration Program

Radiation Level	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
Non-Radioactive	1332	437	344	347	331
<1 mR/hr beta-gamma;<10 nCi/g alpha	2678	910	736	744	715
1 to <10 mR/h beta-gamma; and <10 nCi/g alpha	2654	892	721	733	704
>100 mR/hr beta-gamma	0	5	5	5	5
>200 nCi/g alpha	135	35	20	0	0

Table 7
Yearly Sample Analysis Summary for the Environmental Restoration Program

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
AM-241	319	8	8	8	8
ANIONS	14	14	14	14	14
ASBESTOS	178	100	0	0	0
AT/TB	281	277	277	277	277
C-14	8	8	8	8	8
CR-VI	389	100	182	182	182
CYANIDE	0	0	0	0	0
DENSITY/SpG	0	0	0	0	0
DSC/TGA	0	0	0	0	0
FLASH POINT	0	0	0	0	0
GEA	686	55	55	55	55
H-3	78	78	78	78	78
I-129	8	8	8	8	8
MASS SPEC	0	0	0	0	0
MERCURY	207	0	0	0	0
METALS	4598	775	483	488	452
NDA	0	0	0	0	0
OTHER INORGANICS	20	0	0	0	0
OTHER ORGANICS	182	182	182	182	182
OTHER RAD CHEM	4340	1075	763	766	704
PEST/PCB	173	94	0	0	0
pH/CONDUCT/OH-	4258	1032	916	918	906
PU-238/39/40	472	61	46	26	26

SE-79	0	0	0	0	0
SR-90	415	104	104	104	104
TC-99	73	73	29	29	29
TCLP	100	100	100	100	100
TIC/TOC	6	6	6	6	6
URANIUM	472	61	46	26	26
VOA/SVOA	4498	783	645	648	632
WET CHEMISTRY	114	101	101	101	80
WTPH/OIL/GREASE	0	0	0	0	0
TOTAL	21789	4995	3951	3924	3777

Table 8
Yearly Sample Projection Summary by Protocol for the Environmental Restoration Program

Protocol	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
216 PERMIT	160	320	160	320	320
EPA	4728	1122	869	892	818
IH	170	100	0	0	0
NPDES	4	4	4	4	4
PROCESS CONTROL	1602	698	773	613	613
TRU	135	35	20		

Table 9
Yearly Sample Projection Summary by Matrix for the Environmental Restoration Program

Matrix	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
LIQUID	1147	1144	1056	1059	1035

OTHER	937	682	402	402	352
SOLID/SOIL	4715	453	368	368	368

Table 10
Yearly Funding Identified by Task for the Environmental Restoration Program
($ in 1000s)

TASK	Funding Source (ADS)	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
100 AREA						
ER100AIR	TBD	TBD	TBD	TBD	TBD	TBD
ER100ARS	TBD	TBD	TBD	TBD	TBD	TBD
ER100BC	3100	TBD	TBD	TBD	TBD	TBD
ER100BC5RI	3115	TBD	TBD	TBD	TBD	TBD
ER100HR3IRM	3110	5	5	5	5	5
ER100HR3RI	3110	2	2	2	2	2
ER100KR4IRMPERF	3110	3	3	3	3	3
ER100KR4RI	3110	26	26	26	26	26
ER100NNEARMON	DB7118	TBD	TBD	TBD	TBD	TBD
ER100NR2PROCESS	3125	4	4	4	4	4
ER100NR2RI	3125	32	32	32	32	32
ER183NWATERPLT	TBD	TBD	TBD	TBD	TBD	TBD
ERNDEACTIVATION	UN2EV/2W W/26C	TBD	TBD	TBD	TBD	TBD
ERNSPRINGS	TBD	TBD	TBD	TBD	TBD	TBD
200 AREA						
ER200ASOURCE	3200	TBD	1900	1900	1900	1900
ER200BP11	BHI	65	TBD	TBD	TBD	TBD
ER200UP1IRM	3210	18	18	TBD	TBD	TBD

ER200ZP1IRM	3210	1	1	1	1	1
300 AREA						
ER300FF1	VARIOUS	TBD	TBD	TBD	TBD	TBD
ER300FF5	3800/3510	66	66	66	66	TBD
ER300FF5SEEP	TBD	TBD	TBD	TBD	TBD	TBD
D&D						
ERD&D	EM-40	TBD	TBD	TBD	TBD	TBD
ERDF						
ERERDF	RFS	39	39	39	39	39
ERERDFGW	3700	TBD	TBD	TBD	TBD	TBD
HORN RAPIDS						
ERHORNRL	3800/3510	26	26	26	26	TBD

4.2 Tank Waste Remediation System

Tank Waste Remediation System (TWRS) includes TWRS Waste Storage and Operations, TWRS Waste Disposal, Vitrification Plant, and Waste Form Certification. TWRS Waste Storage and Operations include West and East Tank Farm Operations and TWRS Characterization Project (cores, grab, vapor, and evaporator process). The projections for the 242A Evaporator previously reported in this section have been moved to section 4.4 Liquid Effluents. No information was received from Tank Farm West and East Area Operations, Vitrification Plant, and Waste Form Certification.

Table 11 provides the yearly sample projection by radiation level. Table 12 provides the yearly sample analysis summary. Table 13 provides the yearly sample projections by protocol. Table 14 provides the yearly sample projections by matrix. Table 15 provides the yearly funding identified by task.

TRENDS

Tank Waste Remediation System sample projections for FY 1998 show a level (42 AEU's) comparable to previous projections for FY 1997. The FY 1998 projections show increases in the number of GEA analyses (factor of 13), TOC (factor of 4), Mass Spec (factor of 4), Pu isotopic (factor of 2), Tc-99 (factor of 2). TWRS Characterization shows a 10% decrease in the number of samples in FY 1999 from FY 1998. The total

number of analyses projected for FY 2000 and the out-years decreases by a factor of 2 from the FY 1998-1999 level.

Table 11
Yearly Sample Projections by Radiation Level for the Tank Waste Remediation System Program

Radiation Level	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
<1 mR/hr beta-gamma;<10 nCi/g alpha	301	86	8	0	0
10 to <100 mR/hr beta-gamma; and <200 nCi/g alpha	622	562	557	552	552
>100 mR/hr beta-gamma	1111	988	702	1061	761

Table 12
Yearly Sample Analysis Summary for the Tank Waste Remediation System Program

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
AM-241	262	112	42	77	35
ANIONS	1832	1645	871	1227	899
ASBESTOS	0	0	0	0	0
AT/TB	1520	1518	1112	1297	1075
C-14	44	91	39	28	0
CR-VI	162	0	28	49	14
CYANIDE	159	161	100	88	60
DENSITY/SpG	879	1009	514	723	541
DSC/TGA	3286	3200	1778	2224	1800
FLASH POINT	15	10	10	10	10
GEA	1532	1198	618	678	612
H-3	206	91	39	49	0

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
I-129	0	0	0	0	0
MASS SPEC	227	105	35	79	34
MERCURY	150	90	85	80	80
METALS	2054	1790	973	1260	996
NDA	0	0	0	0	0
OTHER INORGANICS	532	237	116	141	118
OTHER ORGANICS	646	266	29	20	20
OTHER RAD CHEM	346	196	130	140	133
PEST/PCB	20	10	10	10	10
pH/CONDUCT/OH-	496	232	117	156	139
PU-238/39/40	374	112	46	56	35
SE-79	0	0	0	0	0
SR-90	284	162	50	64	57
TC-99	206	91	39	70	14
TCLP	150	90	85	80	80
TIC/TOC	1831	1761	891	1139	913
URANIUM	249	155	43	78	8
VOA/SVOA	115	70	65	60	60
WET CHEMISTRY	166	0	0	21	0
WTPH/OIL/GREASE	15	10	10	10	10
TOTAL	17758	14412	7875	9914	7753

Table 13
Yearly Sample Projection Summary by Protocol for the Tank Waste Remediation System Program

Protocol	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
PROCESS CONTROL	56	0	0	0	0
RCRA	1978	1636	1267	1613	1313

Table 14
Yearly Sample Projection Summary by Matrix for the Tank Waste Remediation System Program

Matrix	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
LIQUID	146	78	28	55	39
OTHER	447	432	432	432	432
SLUDGE	980	920	684	1016	732
SOLID/SOIL	160	120	115	110	110
VAPOR	301	86	8	0	0

Table 15
Yearly Funding Identified by Task for the Tank Waste Remediation System Program
($ in 1000s)

Sub Program	Funding Source (ADS)	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
CORE/AUGER ANALYSIS						
All cores & auger samples	1130	9094	9094	9094	9094	9094
GRAB SAMPLE ANALYSIS						
All grab samples	1130	939	939	939	939	939

VAPOR SAMPLE ANALYSIS						
All vapor samples	1130	1969	1969	200	0	0
MISCELLANEOUS						
All miscellaneous samples	1130	138	139	139	139	139

4.3 Solid Waste

Sample projections for the Solid Waste Program have been provided for the Central Waste Complex, Mixed Waste Trench, WRAP-1, and T-Plant.

Table 16 provides the yearly sample projection by radiation level. Table 17 provides the yearly sample analysis summary. Table 18 provides the yearly sample projections by protocol. Table 19 provides the yearly sample projections by matrix. Table 20 provides the yearly funding identified by task.

TREND

Projections show an increase from November 1996, due to the inclusion of non-destructive assay (NDA) at WRAP-1, on the order of 5000 drums per year. Few TRU samples were identified which require laboratory analysis (5 samples in FY 1998, 20 samples per year for FY 1999 through FY 2002). The projections show a slight decrease over the period FY 1998 to FY 2002.

Table 16
Yearly Sample Projections by Radiation Level for the Solid Waste Program

Radiation Level	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
<1 mR/hr beta-gamma;<10 nCi/g alpha	1344	1013	772	588	588
1 to <10 mR/h beta-gamma; and <10 nCi/g alpha	3826	4006	4016	4016	4016
10 to <100 mR/hr beta-gamma; and <200 nCi/g alpha	19	19	29	29	29
>200 nCi/g alpha	1255	1270	1270	1270	1270

Table 17
Yearly Sample Analysis Summary for the Solid Waste Program

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
AM-241	38	32	27	23	23
ANIONS	109	138	125	115	115
ASBESTOS	0	0	0	0	0
AT/TB	1379	1067	822	638	638
C-14	0	0	0	0	0
CR-VI	35	80	80	80	80
CYANIDE	35	80	80	80	80
DENSITY/SpG	20	50	50	50	50
DSC/TGA	0	0	0	0	0
FLASH POINT	20	50	50	50	50
GEA	58	47	38	31	31
H-3	0	0	0	0	0
I-129	0	0	0	0	0
MASS SPEC	120	750	550	550	550
MERCURY	35	80	80	80	80
METALS	203	208	178	155	155
NDA	10035	10080	10080	10080	10080
OTHER INORGANICS	138	166	152	141	141
OTHER ORGANICS	229	850	633	620	620
OTHER RAD CHEM	39	84	84	84	84
PEST/PCB	35	80	80	80	80
pH/CONDUCT/OH-	203	208	178	155	155

PU-238/39/40	53	62	57	53	53
SE-79	44	34	26	20	20
SR-90	0	0	0	0	0
TC-99	0	0	0	0	0
TCLP	15	30	30	30	30
TIC/TOC	248	848	626	609	609
URANIUM	0	0	0	0	0
VOA/SVOA	129	150	133	120	120
WET CHEMISTRY	0	0	0	0	0
WTPH/OIL/GREASE	20	50	50	50	50
TOTAL	13240	15224	14209	13894	13894

Table 18
Yearly Sample Projection Summary by Protocol for the Solid Waste Program

Protocol	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
10CFR834	26	26	26	26	26
RCRA	1383	1232	1011	827	827
SCREENING	30	30	30	30	30
WIPP	5005	5020	5020	5020	5020

Table 19
Yearly Sample Projection Summary by Matrix for the Solid Waste Program

Matrix	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
LIQUID	211	168	161	145	145
OTHER	6167	6075	5856	5692	5692
SLUDGE	25	19	14	10	10

SOLID/SOIL	41	46	56	56	56

Table 20
Yearly Funding Identified by Task for the Solid Waste Program
($ in 1000s)

Sub Program	Funding Source (ADS)	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
CENTRAL WASTE COMPLEX						
CWC	A4A01	2	2	2	2	2
MIXED WASTE TRENCH						
MWT	A7A01	3	3	3	3	3
T PLANT						
TP	2320	200	200	200	150	150
WASTE RECEIVING AND PROCESSING						
WRAP1	2320	28	28	28	28	28
WRAP1NDAOP	2320	1157	1298	1348	1723	1768

4.4 Liquid Effluents

Sample projections for the Liquid Waste Disposal program have been provided for the 200 Area LEF, 300 Area LEF, and the 242A Evaporator. Previous projections included the 242-A Evaporator with the TWRS projections.

Table 21 provides the yearly sample projections by radiation level. Table 22 provides the yearly sample analysis summary. Table 23 provides the yearly sample projections by protocol. Table 24 provides the yearly sample projections by matrix. Table 25 provides the yearly funding identified by task.

TRENDS

Sample projections for the Liquid Effluents Program have increased slightly from the November 1996 projections. Projections now include a small number of high activity samples in support of 242-A Evaporator operations. The projections indicate a level

workload for FY 1998 through FY 2002. The cyclic operations of treatment facilities continue to cause peak and valley work loads for the laboratories.

Table 21
Yearly Sample Projections by Radiation Level for the Liquid Effluents Program

Radiation Level	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
Non-Radioactive	500	500	500	676	324
<1 mR/hr beta-gamma;<10 nCi/g alpha	1189	1189	1189	1215	1163
1 to <10 mR/h beta-gamma; and <10 nCi/g alpha	60	60	60	60	60
>100 mR/hr beta-gamma	46	46	46	46	46

Table 22
Yearly Sample Analysis Summary for the Environmental Liquid Effluents Program

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
AM-241	175	175	175	180	170
ANIONS	533	533	533	538	528
ASBESTOS	0	0	0	0	0
AT/TB	642	642	642	812	472
C-14	170	170	170	170	170
CR-VI	0	0	0	0	0
CYANIDE	385	385	385	432	338
DENSITY/SpG	136	136	136	141	131
DSC/TGA	19	19	19	24	14
FLASH POINT	0	0	0	0	0
GEA	500	500	500	658	342
H-3	233	233	233	246	220
I-129	170	170	170	170	170
MASS SPEC	592	592	592	592	592
MERCURY	599	599	599	672	526
METALS	650	650	650	728	572
NDA	0	0	0	0	0
OTHER INORGANICS	348	348	348	348	348
OTHER ORGANICS	0	0	0	0	0
OTHER RAD CHEM	390	390	390	414	366
PEST/PCB	0	0	0	0	0
pH/CONDUCT/OH-	393	393	393	398	388

PU-238/39/40	175	175	175	180	170
SE-79	18	18	18	18	18
SR-90	303	303	303	308	298
TC-99	270	270	270	270	270
TCLP	0	0	0	0	0
TIC/TOC	271	271	271	302	240
URANIUM	297	297	297	348	246
VOA/SVOA	846	846	846	897	795
WET CHEMISTRY	1125	1125	1125	1280	970
WTPH/OIL/GREASE	118	118	118	118	118
TOTAL	9358	9358	9358	10244	8472

Table 23
Yearly Sample Projection Summary by Protocol for the Environmental Liquid Effluents Program

Protocol	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
CWA	133	133	133	266	0
PROCESS CONTROL	98	98	98	136	60
RCRA	1564	1564	1564	1595	1533

Table 24
Yearly Sample Projection Summary by Matrix for the Liquid Effluents Program

Matrix	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
LIQUID	1769	1769	1769	1945	1593
SLUDGE	26	26	26	52	0

Table 25
Yearly Funding Identified by Task for the Liquid Effluents Program
($ in 1000s)

Sub Program	Funding Source (ADS)	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
200 AREA LEF & LERF						
200LEFETF2NDWASTE		*	*	*	*	*
200LEFETFGW		*	*	*	*	*
200LEFETFPC	2300-0	840	840	840	840	840
200LEFETFVERIFTK		*	*	*	*	*
200LEFLERFCOMP		*	*	*	*	*
200LEFLERFPC	2300-0	263	263	263	263	263
200LEFTEDFEOP	2300-0	395	395	395	395	395
200LEFTEDFGW		*	*	*	*	*
200LEFTEDFPC		*	*	*	*	*
242A EVAPORATOR						
242ABOILERDISCHARGE		*	*	*	*	*
242ACOOLINGWATER		*	*	*	*	*
242AFEEDSTREAM		*	*	*	*	*
242AFEEDTANKS	2300-0	400	400	400	400	400
242APROCESSCOND		*	*	*	*	*
242ASLURRYSTREAM		*	*	*	*	*
242ASTEAMCOND		*	*	*	*	*
300 AREA LEF						
300TEDF307B	2300	391	391	391	391	391
300TEDF340V	2300	158	118	118	98	78

Sub Program	Funding Source (ADS)	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
300TEDFCOMP		+	+	+	+	+
300TEDFCOMP2		+	+	+	+	+
300TEDFCOMPTSS		+	+	+	+	+
300TEDFCOMPWET		+	+	+	+	+
300TEDFDNR		+	+	+	+	+
300TEDFP		+	+	+	+	+
300TEDFUV		+	+	+	+	+
300TEDFWCS		+	+	+	+	+

* All 200 Area funding included under 200LEFETFPC, 200LEFLERFPC, 200LEFTEDFEOP, 242AFEEDTANKS
\+ All 300 Area funding included under 300TEDF307B and 300TEDF340V

4.5 Spent Nuclear Fuels

Sample projections for the Spent Nuclear Fuels Program are provided for center basin, backwash filter pit, Department of Health, Effluent Treatment Plant, 183 air, ion exchanger, KW canister liquid, and the KW filter pit.

Table 26 provides the yearly sample projections by radiation level. Table 27 provides the yearly sample analysis summary. Table 28 provides the yearly sample projections by protocol. Table 29 provides the yearly sample projections by matrix. Table 30 provides the yearly funding identified by task.

TRENDS

Sample projections for the Spent Nuclear Fuels Program show an upward trend due to fuel transfer operations beginning in May 1998. There is considerable uncertainty in the duration of the transfer operations (projections provided assume level loading of analytical support is required during the next 5 years to support fuel transfer operations) and in the analytical work load because of the unknown activity level of ion exchange samples (projections provided assume ion exchange samples are category 2).

Table 26
Yearly Sample Projections by Radiation Level for the Spent Nuclear Fuel Program

Radiation Level	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
<1 mR/hr beta-gamma;<10 nCi/g alpha	5689	7648	7648	6584	6584
<10 mR/hr beta-gamma; and <200 nCi/g alpha	5	5	5	5	5
10 to <100 mR/hr beta-gamma; and <200 nCi/g alpha	6	6	6	6	6
>100 mR/hr beta-gamma	22	22	22	22	22

Table 27
Yearly Sample Analysis Summary for the Spent Nuclear Fuel Program

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
AM-241	50	50	50	38	38
ANIONS	22	22	22	22	22
ASBESTOS	0	0	0	0	0
AT/TB	8491	12166	12166	11102	11102
C-14	0	0	0	0	0
CR-VI	0	0	0	0	0
CYANIDE	0	0	0	0	0
DENSITY/SpG	22	22	22	22	22
DSC/TGA	18	18	18	18	18
FLASH POINT	0	0	0	0	0
GEA	3182	3182	3182	2118	2118
H-3	544	544	544	532	532

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
I-129	0	0	0	0	0
MASS SPEC	22	22	22	22	22
MERCURY	0	0	0	0	0
METALS	28	28	28	28	28
NDA	0	0	0	0	0
OTHER INORGANICS	4	4	4	4	4
OTHER ORGANICS	20	20	20	20	20
OTHER RAD CHEM	2654	4492	4492	4492	4492
PEST/PCB	24	24	24	24	24
pH/CONDUCT/OH-	27	27	27	27	27
PU-238/39/40	367	367	367	355	355
SE-79	0	0	0	0	0
SR-90	346	346	346	334	334
TC-99	10	10	10	10	10
TCLP	0	0	0	0	0
TIC/TOC	25	25	25	25	25
URANIUM	55	55	55	43	43
VOA/SVOA	12	12	12	12	12
WET CHEMISTRY	0	0	0	0	0
WTPH/OIL/GREASE	0	0	0	0	0
TOTAL	15923	21436	21436	19248	19248

Table 28
Yearly Sample Projection Summary by Protocol for the Spent Nuclear Fuel Program

Protocol	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
10CFR835	2533	4492	4492	4492	4492
PROCESS CONTROL	3156	3156	3156	2092	2092
RCRA	33	33	33	33	33

Table 29
Yearly Sample Projection Summary by Matrix for the Spent Nuclear Fuel Program

Matrix	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
LIQUID	3162	3162	3162	2098	2098
OTHER	2538	4497	4497	4497	4497
SLUDGE	22	22	22	22	22

TABLE 30
Yearly Funding Identified by Task for the Spent Nuclear Fuel Program

Sub Program	Funding Source (ADS)	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
CENTERBASIN		200	380	380	TBD	TBD
DOH		*	*	*	*	*
EFFTRMTPLT		*	*	*	*	*
SNF183AIR		*	*	*	*	*
IX		TBD	TBD	TBD	TBD	TBD
SNFKWCANLIQUID		500	500	500	500	500
SNFKWFLRPIT		560	560	560	560	560

* Centerbasin funding includes DOH, EFFTRMTPLT, & SNF183AIR

+ SNFKWCANLIQUID

4.6 Transition Projects

Sample projections for Transition Projects are provided for the Plutonium Finishing Plant (PFP) Transition Project, the B-Plant/WESF Transition Project, and the FFTF Stabilization Project. No inputs were received from PUREX.

Table 31 provides the yearly sample projections by radiation level. Table 32 provides the yearly sample analysis summary. Table 33 provided the yearly sample projections by protocol. Table 34 provides the yearly sample projections by matrix. Table 35 provides the yearly funding identified by task.

TRENDS

Projections show level needs from FY 1998 through FY 2002, except for a 10 percent drop in PFP air monitoring samples. Overall projections are significantly higher than the November 1996 projections as the PFP air monitoring samples are now included.

Table 31
Yearly Sample Projections by Radiation Level for the Transition Projects Program

Radiation Level	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
Non-Radioactive	282	282	283	282	282
<1 mR/hr beta-gamma;<10 nCi/g alpha	690	668	630	633	633
1 to <10 mR/h beta-gamma; and <10 nCi/g alpha	2	1	1	0	0
<10 mR/hr beta-gamma; and <200 nCi/g alpha	32	25	25	24	24
10 to <100 mR/hr beta-gamma; and <200 nCi/g alpha	8	0	0	0	0
>200 nCi/g alpha	22623	22131	22196	19019	19018

Table 32
Yearly Sample Analysis Summary for the Transition Projects Program

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
AM-241	18	23	8	8	8
ANIONS	6457	6436	6432	3432	3432
ASBESTOS	6	15	0	0	0
AT/TB	999	963	928	954	954
C-14	0	0	0	0	0
CR-VI	0	0	0	0	0
CYANIDE	5	5	5	5	5
DENSITY/SpG	4	4	0	0	0
DSC/TGA	7280	6774	6774	3774	3774
FLASH POINT	14	11	3	3	3
GEA	65	41	20	24	24
H-3	0	0	0	0	0
I-129	0	0	0	0	0
MASS SPEC	1001	501	501	501	501
MERCURY	2	2	1	3	1
METALS	6401	6406	6443	3263	3262
NDA	702	690	682	682	682
OTHER INORGANICS	1	1	1	3	1
OTHER ORGANICS	21	18	14	14	14
OTHER RAD CHEM	21700	21200	21200	18200	18200
PEST/PCB	21	21	13	15	15
pH/CONDUCT/OH-	809	806	816	819	819

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
PU-238/39/40	39	158	196	8	8
SE-79	0	0	0	0	0
SR-90	92	56	27	31	31
TC-99	0	0	0	0	0
TCLP	7	4	3	3	3
TIC/TOC	272	263	255	253	255
URANIUM	0	0	0	0	0
VOA/SVOA	75	72	88	88	88
WET CHEMISTRY	10	10	10	10	10
WTPH/OIL/GREASE	21	18	14	14	14
TOTAL	46022	44498	44434	32107	32104

Table 33
Yearly Sample Projection Summary by Protocol for the Transition Projects Program

Protocol	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
10CFR834	26	26	26	26	26
10CFR835	14502	14502	14502	14502	14502
40CFR61 (CAA)	65	65	65	65	65
DOE5633.3	450	450	450	450	450
DOE5633.3/5820.2A	7	7	7	7	7
PROCESS CONTROL	8307	7772	7739	4739	4739
RCRA	280	285	346	169	168

Table 34
Yearly Sample Projection Summary by Matrix for the Transition Projects Program

Matrix	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
LIQUID	4031	4022	4022	1022	1022
OTHER	14656	14656	14656	14656	14656
SOLID/SOIL	4950	4429	4457	4280	4279

Table 35
Yearly Funding Identified by Task for the Transition Projections Program
($ in 1000s)

SubProgram	Funding Source (ADS)	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
300 AREA						
309TRANCHAR	6643	85	16	TBD	TBD	TBD
B PLANT						
BPLANT	6626	10	TBD	TBD	TBD	TBD
FFTF						
FFTFWASTECHAR	6640	10	10	10	10	10
PLUTONIUM FINISHING PLANT						
PFP Analytical Laboratory	6624-0	2691	2691	2691	TBD	TBD
CAM Air Filter Samples	6624-0	168	168	168	TBD	TBD
Stack Monitor Samples	6624-0	84	84	84	TBD	TBD
Standards Laboratory	6624-0	70	70	70	TBD	TBD
Commercial Sample Analysis	6624-0	175	175	175	TBD	TBD

SubProgram	Funding Source (ADS)	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
Nondestructive Analysis	6624-0	882	882	882	TBD	TBD
Nondestructive Examination	6624-0	189	189	189	TBD	TBD
225-WC Wastewater, 26" Vacuum, LLWTF Samples	6624-0	25	25	25	TBD	TBD

4.7 Analytical Services

Sample projections for Analytical Services are provided for 222-S and WSCF, plus waste returns from commercial laboratories. Work loads from other site laboratories are not included.

Table 36 provides the yearly sample projections by radiation level. Table 37 provides the yearly sample analysis summary. Table 38 provided the yearly sample projections by protocol. Table 39 provides the yearly sample projections by matrix. Table 40 provides the yearly funding identified by task.

TREND

Analytical Services sample projections for FY 1998 through FY 2002 remain level.

Table 36
Yearly Sample Projections by Radiation Level for the Analytical Services Program

Radiation Level	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
Non-Radioactive	15	15	15	15	15
<1 mR/hr beta-gamma;<10 nCi/g alpha	1236	1198	1198	1198	1198

Table 37
Yearly Sample Analysis Summary for the Analytical Services Program

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
AM-241	19	19	19	19	19
ANIONS	226	188	188	188	188
ASBESTOS	20	20	20	20	20
AT/TB	1463	1425	1425	1425	1425
C-14	5	5	5	5	5
CR-VI	0	0	0	0	0
CYANIDE	42	42	42	42	42
DENSITY/SpG	9	9	9	9	9
DSC/TGA	7	7	7	7	7
FLASH POINT	0	0	0	0	0
GEA	666	628	628	628	628
H-3	24	24	24	24	24
I-129	5	5	5	5	5
MASS SPEC	0	0	0	0	0
MERCURY	159	121	121	121	121
METALS	452	414	414	414	414
NDA	0	0	0	0	0
OTHER INORGANICS	48	48	48	48	48
OTHER ORGANICS	0	0	0	0	0
OTHER RAD CHEM	0	0	0	0	0
PEST/PCB	0	0	0	0	0
pH/CONDUCT/OH-	579	541	541	541	541

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
PU-238/39/40	23	23	23	23	23
SE-79	0	0	0	0	0
SR-90	101	63	63	63	63
TC-99	5	5	5	5	5
TCLP	0	0	0	0	0
TIC/TOC	117	79	79	79	79
URANIUM	44	44	44	44	44
VOA/SVOA	62	24	24	24	24
WET CHEMISTRY	273	273	273	273	273
WTPH/OIL/GREASE	0	0	0	0	0
TOTAL	4349	4007	4007	4007	4007

Table 38
Yearly Sample Projection Summary by Protocol for the Analytical Services Program

Protocol	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
PROCESS CONTROL	1093	1093	1093	1093	1093
RCRA	158	120	120	120	120

Table 39
Yearly Sample Projection Summary by Matrix for the Analytical Services Program

Matrix	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
LIQUID	1198	1185	1185	1185	1185
OTHER	3	1	1	1	1
SLUDGE	5	2	2	2	2
SOLID/SOIL	45	25	25	25	25

Table 40
Yearly Funding Identified by Task for the Analytical Services Program

SubProgram	Funding Source (ADS)	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
222-S & WSCF	7100-0	1253	1253	1253	1253	1253

4.8 Site Monitoring

Sample projections for the Site Monitoring Program are provided for Environmental Monitoring, the Hanford Groundwater Monitoring Project, Bioassay Program, Environmental Support (Effluent and Near Field Monitoring). Limited data was received for Stack Monitoring (100 and 300 Areas were not received) and room air monitoring.

Table 41 provides the yearly sample projections by radiation level. Table 42 provides the yearly sample analysis summary. Table 43 provides the yearly sample projections by protocol. Table 44 provides the yearly sample projections by matrix. Table 45 provides the yearly funding identified by task.

TRENDS

Sample projections for the Site Monitoring Program remain level during the next 5 years.

Table 41
Yearly Sample Projections by Radiation Level for the Site Monitoring Program

Radiation Level	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
Non-Radioactive	6932	6899	6880	6861	6842
<1 mR/hr beta-gamma;<10 nCi/g alpha	2691	2691	2691	2691	2691

Table 42
Yearly Sample Analysis Summary for the Site Monitoring Program

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
AM-241	327	327	327	327	327
ANIONS	1074	1050	1040	1030	1020
ASBESTOS	0	0	0	0	0
AT/TB	4378	4366	4354	4342	4330
C-14	8	8	8	8	8
CR-VI	0	0	0	0	0
CYANIDE	52	52	52	52	52
DENSITY/SpG	0	0	0	0	0
DSC/TGA	0	0	0	0	0
FLASH POINT	204	180	170	160	150
GEA	1342	1341	1342	1341	1342
H-3	1542	1542	1542	1542	1542
I-129	295	307	295	307	295
MASS SPEC	0	0	0	0	0
MERCURY	176	176	176	176	176
METALS	698	698	698	698	698

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
NDA	5	5	5	5	5
OTHER INORGANICS	2360	2360	2360	2360	2360
OTHER ORGANICS	204	180	170	160	150
OTHER RAD CHEM	405	405	405	405	405
PEST/PCB	304	270	250	230	210
pH/CONDUCT/OH-	170	170	170	170	170
PU-238/39/40	2455	2457	2455	2457	2455
SE-79	0	0	0	0	0
SR-90	1510	1493	1510	1493	1510
TC-99	366	366	366	366	366
TCLP	0	0	0	0	0
TIC/TOC	1758	1758	1758	1758	1758
URANIUM	1464	1441	1464	1441	1464
VOA/SVOA	460	436	426	416	406
WET CHEMISTRY	0	0	0	0	0
WTPH/OIL/GREASE	228	202	190	178	166
TOTAL	21785	21590	21533	21422	21365

Table 43
Yearly Sample Projection Summary by Protocol for the Site Monitoring Program

Protocol	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
10CFR834	2094	2094	2094	2094	2094
CAA	600	600	600	600	600
CWA	64	64	64	64	64

Protocol	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
OTHER	150	150	150	150	150
PROCESS CONTROL	4633	4633	4633	4633	4633
RCRA	2064	2031	2012	1993	1974
SDWA	18	18	18	18	18

Table 44
Yearly Sample Projection Summary by Matrix for the Site Monitoring Program

Matrix	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
LIQUID	2362	2362	2362	2362	2362
OTHER	6050	6043	6036	6029	6022
SOLID/SOIL	392	366	354	342	330
VAPOR	819	819	819	819	819

Table 45
Yearly Funding Identified by Task for the Site Monitoring Program

SubProgram	Funding Source (ADS)	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
BIO	TBD	TBD	TBD	TBD	TBD	TBD
DYNCORPCLEANUP	TBD	TBD	TBD	TBD	TBD	TBD
DYNCORPWSCF	TBD	TBD	TBD	TBD	TBD	TBD
GW	TBD	TBD	TBD	TBD	TBD	TBD
NEARFIELDMON	TBD	TBD	TBD	TBD	TBD	TBD
SE	TBD	TBD	TBD	TBD	TBD	TBD
Stacks & Near Field Monitoring Effluents	7340-0	720	820	810	810	830

4.9 Industrial Hygiene

Industrial Hygiene projections include breathing air, drinking water, asbestos, and miscellaneous samples. No information was received for Industrial Hygiene drinking water sample analyses.

Table 46 provides the yearly sample projection by radiation level. Table 47 provides the yearly sample analysis summary. Table 48 provides the yearly sample projections by protocol. Table 49 provides the yearly sample projections by matrix. Table 50 provides the yearly funding identified by task.

TRENDS

Industrial Hygiene sample loads are anticipated to remain level from FY 1998 through FY 2002.

Table 46
Yearly Sample Projections by Radiation Level for the Industrial Hygiene Program

Radiation Level	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
Non-Radioactive	1280	1280	1280	1280	1280
<1 mR/hr beta-gamma;<10 nCi/g alpha	1614	1614	1614	1614	1614

Table 47
Yearly Sample Analysis Summary for the Industrial Hygiene Program

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
AM-241	0	0	0	0	0
ANIONS	0	0	0	0	0
ASBESTOS	1428	1428	1428	1428	1428
AT/TB	0	0	0	0	0
C-14	0	0	0	0	0
CR-VI	0	0	0	0	0

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
CYANIDE	0	0	0	0	0
DENSITY/SpG	0	0	0	0	0
DSC/TGA	0	0	0	0	0
FLASH POINT	0	0	0	0	0
GEA	0	0	0	0	0
H-3	0	0	0	0	0
I-129	0	0	0	0	0
MASS SPEC	0	0	0	0	0
MERCURY	0	0	0	0	0
METALS	0	0	0	0	0
NDA	0	0	0	0	0
OTHER INORGANICS	1360	1360	1360	1360	1360
OTHER ORGANICS	294	294	294	294	294
OTHER RAD CHEM	0	0	0	0	0
PEST/PCB	0	0	0	0	0
pH/CONDUCT/OH-	0	0	0	0	0
PU-238/39/40	0	0	0	0	0
SE-79	0	0	0	0	0
SR-90	0	0	0	0	0
TC-99	0	0	0	0	0
TCLP	0	0	0	0	0
TIC/TOC	0	0	0	0	0
URANIUM	0	0	0	0	0
VOA/SVOA	0	0	0	0	0

Analysis	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
WET CHEMISTRY	0	0	0	0	0
WTPH/OIL/GREASE	0	0	0	0	0
TOTAL	3082	3082	3082	3082	3082

Table 48
Yearly Sample Projection Summary by Protocol for the Industrial Hygiene Program

Protocol	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
IH	2894	2894	2894	2894	2894

Table 49
Yearly Sample Projection Summary by Matrix for the Industrial Hygiene Program

Matrix	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
OTHER	2894	2894	2894	2894	2894

Table 50
Yearly Funding Identified by Task for the Industrial Hygiene Program

SubProgram	Funding Source (ADS)	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002
IH	TBD	410	410	410	410	410

4.10 Miscellaneous Hanford Support

No information was received on Construction Project analytical service needs.

4.11 Laboratory Scale Technology (Development) Support

A summary of Laboratory Scale Technology (Development) needs is provided in Table 51 for 222-S and Table 52 for PFP support. Projections include process development needs and needs for laboratory space and resources.

Table 51
222-S Laboratories Scale Technology Support

NEED	REQUIREMENTS		FISCAL YEARS		
	SPACE (ft^2)	RESOURCES FTE/K$	97	98	99
TWRS OPERATIONS Compatibility Test (Waste Reactivity) Sludge and supernate (Includes PRSST/Propagation Tester)	10 - Hotcell 6 - Hot lab	People - 2.5 Material - 5.0 Cap Equip - 0 New Tech - To Be Negotiated	●	●	●
Emerging Technology Requirements (LOE)	8 - Hot Lab	People - 0.3 Material - 5.0	○	●	●
Polychlorinated Biphenyl (Regulatory DQO)	100 - Hot Lab	People - 1.0 Material - 10.0 New Technology - Rapid Screening	○	○	●
Compatibility of Spent Fuel Basin Sludge with Waste Tanks	50 - Hotcell 24 - Hot Lab	People - 2.0 Material - 20.0 Cap Equip -100	○	○	●
Flammable Gas Phenomenology, Formation and Accumulation Chemistry of Flammable Gas in Waste Tanks (Compatibility DQO)	75 - Hotcell 50 - Hot Lab	People - 4.0 Material - 10.	●	●	○

NEED	REQUIREMENTS		FISCAL YEAR		
	SPACE (ft^2)	RESOURCES FTE/K$	97	98	99
TWRS OPERATIONS (cont'd) Flammable Gas - Ammonia	40 - Cold Lab	People - 0.8 Material - 2.0	●	○	○
Corrosion Rate Coupons, Parametric Studies, Electronic Disturbances	24 - Hot Lab	People - 1.5 Material - 2.0	○	●	●
Cross Site Waste Transfer	30 - Hotcell 50 - Cold Lab	People - 2.0 Material - 10.0	○	○	○
TWRS EVAPORATOR Improve Turnaround of Evaporator Feed Characterization to Meet Schedules	30 - Hotcell 50 - Hot Lab	People - 1.5 Material - 5.0 New Technology - To Be Negotiated	○	○	○
DISPOSAL PROGRAMS Process Control - Retrieval of C-106 and Validation of In-Tank Monitoring Compatibility Testing	10 - Hotcell 20 - Hot Lab	People - 1.0 Material - 5.0 New Tech - Useful Test Conditions	○	●	●
Feed Staging/Characterization for Privatization	30 - Hotcell 10 - Hot Lab	People - 1.3 Shipping - 1.0 Material - 5.0	●	●	○

NEED	REQUIREMENTS		FISCAL YEAR		
	SPACE (ft^2)	RESOURCES FTE/K$	97	98	99
DISPOSAL PROGRAMS (cont'd) Dilution/Dissolution for Privatization	15 - Hotcell 20 - Hot Lab	People - 1.0 Material - 2.0 New Tech - Test Plan Negotiated	○	●	○
Sludge Settling Rate and Sludge Washing Tests for Pretreatment Studies	30 - Hotcell 30 - Cold Lab	People - 3.0 Materials - 10.0 Cap Equip - 25.0 New Tech - Transfer from PNNL	○	●	●
Cesium Ion Exchange Flow Testing	10 - Hotcell	People - 1.0	●	○	○
Technetium Removal Studies	15 - Hotcell 10 - Hot Lab	People - 1.0 Material - 10.0 New Tech - TBD	○	●	○
Pretreatment of High Organic Wastes	15 - Hotcell	People - 1.0 Material - 5.0 New Tech - TBD	○	●	○
Sodium Assay Methodology	8 - Hotcell 15 - Hot Lab	People - 2.0 Material - 20.0 Cap Equip - TBD	○	●	○

NEED	REQUIREMENTS		FISCAL YEAR		
	SPACE (ft^2)	RESOURCES FTE/K$	97	98	99
HANFORD TANK INITIATIVE SUPPORT Program Development		People - 1.0	●	●	●
In-Tank Characterization Support	50 - Cold Lab	People - 1.0 Material - 20.0 Cap Equip - TBD	○	●	●
SPENT NUCLEAR FUEL Characterization of Spent Fuel Sludge Includes Uranium Metal Content	30 - Hotcell	People - 1.5 Material - 5.0 Cap Equip - TBD New Tech - TBD	○	●	●
Radionuclide Transport Monitoring During Sludge Retrieval	50 - Cold Lab	People - 1.0 Material - 5.0 Cap Equip - TBD	○	●	●
Process Control During Stabilization Processing	30 - Hotcell	People - 2.5 Material - 2.0	○	●	●
Particle Shape of Sludge Particulates	10 - Hot Lab	People - 0.5 Material - 5.0 New Tech - TBD	○	●	●

NEED	REQUIREMENTS		FISCAL YEAR		
	SPACE (ft^2)	RESOURCES FTE/K$	97	98	99
SPENT NUCLEAR FUEL (cont'd) Pyrophoricity of Spent Fuel Sludge (Metallic Zr, U, Hydride) Suggested Methodology X-Ray Diffraction)	20 - Hotcell	People - 0.5 Material - 5.0 Cap Equip - 150 New Tech - Transfer from PNNL	○	●	●
Fe and Al Hydrates in sludges (Suggested Methodology X-Ray Diffraction)	20 - Hotcell	People - 0.5 Material - 3.0	○	○	○
OTHER DEVELOPMENT ACTIVITIES Criticality Lab Uranium Fuel Characterization	20 - Hot Lab	People - 0.5 Material - 2.0	●	●	○
N-Reactor Fuel Characterization	20 - Hot Lab	People - 1.0 Material - 5.0	○	●	●
Technetium Analysis Improvement (EM-50 Funding Expected)	10 - Hot Lab	People - 1.0 Material - 5.0 New Tech - Analysis Method	○	●	○
Rapid TRU Screening (Appropriate for Disposal Program Funding)	20 - Hot Lab	People - 1.5 Material - 100.0 New Tech - Implement Available Tech	○	○	○

NEED	REQUIREMENTS		FISCAL YEAR		
	SPACE (ft^2)	RESOURCES FTE/K$	97	98	99
OTHER DEVELOPMENT ACTIVITIES Laser Ablation Mass Spectrometer Validation (EM-50 Funding Expected)	30 - Hotcell 50 - Hot Lab	People - 2.0 Material - 10.0 New Tech - From PNNL	○	●	○
Clean Salt Process Demonstration (EM-50 Funding Anticipated)	20 - Hotcell 150 - Cold Lab	People - 4.0 Material - 100.0 New Tech - To Be Demonstrated Pilot Scale	○	●	●
Zeta Potential (peptization of sludges)	10 - Hot Lab	People - 0.3 Material - 10.0 Cap Equip - 25.0	○	○	○
General Cost, Schedule, Employee Ergonomics Improvements	30 - Hotcell 50 - Hot Lab	People - 2.0 Material - 10.0	○	●	○
HASQARD Compliance with OCRA and 033P (NTS Repository)		People - 1.0	○	●	○

○ **Unfunded in Current Budget** ● **Work Funded in Current Baseline Budget**

Table 52
PFP Laboratory Scale Technology Support

NEED	REQUIREMENTS		FISCAL YEARS		
	SPACE (ft^2)	RESOURCES FTE/K$	97	98	99
Facilities Stabilization PFP Cleanout - Vault Materials Characterization	100 - Glovebox 50 Hot Lab	People - 2.0 Material - 15.0	○	●	●

PFP FY1997 Tasks - Development/Demonstration of process for the conversion of the plutonium bearing solutions to plutonium oxide - Development/demonstration of process for the cementation of Sand. Slag and Crucible (SS&C) - Investigation of the feasibility of silver persulfate for removal of plutonium from ash materials - Development of operating parameters for the treatment of plutonium bearing solutions prior to calcination - Investigation of various decontamination methods for possible use on the facility gloveboxes/canyon	---	People - 9.0 Funding - $965	●	○	○

NEED	REQUIREMENTS		FISCAL YEARS		
	SPACE (ft^2)	RESOURCES FTE/K$	97	98	99
PFP FY1997 Tasks (cont'd) - Provide technical support to the K Basin Spent Fuels program - Investigation of the organic solubilities in the high-level waste tanks - Investigation of the "red oil" (TBP-nitric acid) reactions for DOE-HQ					

○ **Unfunded in Current Budget** ● **Work Funded in Current Baseline Budget**

4.12 Sample Management Support

Inputs on sample management support were received from the three Sample Management Offices of HASP, BHI and PNNL. Table 53 provides a summary of FTE's assigned to these activities in fiscal years 1996 and 1997. Information on other Sample Management Office work performed in the projects was not received.

Table 53
Sample Management Office Support

	FTE's		
Organization	**FY 1996**	**Nov. 1996**	**May 1997**
HASP	13	8	7
BHI	19	10	6
PNNL	4.7	2	5*

* Includes 3 PNNL Groundwater SMO FTE's

4.13 Data Management Support

A compilation of the electronic data management systems in use is shown in Table 54, Data Management Support. They are listed by data source and data system name. The list includes systems used at both the laboratory analysis level and at the sample management level.

Table 54
Data Management Support

DATA SOURCE	DATA SYSTEM NAME	SITE DATA LINKS	PROGRAM	CONTACT	ADS #	FUNDING	DESCRIPTION
Analytical Results 222-S & WSCF	LABCORE LIMS	ABCASH ERS LEMIS TCD	Analytical Services	T F Dale			The Laboratory Information Management System (LIMS) is based on Multi LIMS. Internal data links with laboratory instrumentation and the Laboratory training System (LTS).
HASP Analytical Results (Commercial Laboratories)	SDT (Sample Data Track)	None	Analytical Services	JG Paetel			Sample and data tracking system
BHI Analytical Results (Commercial Laboratories)	SDT (Sample Data Track)	HEIS	ERC	BA Kissinger	3400		Sample and data tracking system developed for BHI
BHI Analytical Results	HEIS	EDMS HGIS PSDB SDT WIDS	ERC	BA Kissinger	3400		Oracle data base. Uses MS Access as user interface

DATA SOURCE	DATA SYSTEM NAME	SITE DATA LINKS	PROGRAM	CONTACT	ADS #	FUNDING	DESCRIPTION
Bioassay	REX		Industrial Hygiene Bioassay Project, PNNL	JA MacLellan			Data loaded directly through hardwired connection with bioassay analytical contractor - Quanterra
PFP Analytical Results	RLIMS Lite		PFP Transition Projects	GA Westsik	6624-0		Scheduled for implementation in 1997
Analytical Results, ACL	StarLIMS	None	PNNL 325 Analytical Chemistry Laboratory	JM Latkovich			Used for sample tracking and status
QES 318 (TLDs) 320 (I-129) DCL (non-rad) Groundwater	HEIS	HEIS LCT MAIN ALL (Paradox) See BHI Analytical Results (HEIS)	PNNL Site Monitoring Surface Environmental Surveillance Project	BM Gillespie - TA RL Dirkes - PM	85000		HEIS Results Tables HEIS SESP Scheduling LCT MAIN and ALL for non-rad sample tracking and storing data before loaded to HEIS. Groundwater also listed as BHI Analytical Results using HEIS
NDA Measurements	SIE and DMS	SWITS	Solid Waste WRAP	ME Palmer			NDA Measurements in the WRAP facility
NDA Measurements and Real-Time Radiography	SWITS	None	Solid Waste TRUSAF	R Clinton			Drum assay and examination for Transuranics

DATA SOURCE	DATA SYSTEM NAME	SITE DATA LINKS	PROGRAM	CONTACT	ADS #	FUNDING	DESCRIPTION
222-S PNNL	TCD (Tank Characterizati on Data Base)	LABCORE LIMS TWINS WWW	TWRS Tank Characterization	T J Kelley	1130		PNNL developed data base, required by the TPA to manage all tank characterization data.
306 Gas Laboratory Analytical Results	TMACS and DACS	TMACS	TWRS Tank Safety	DD Tate			Data is loaded into systems depending on application. Tank Monitoring & Control System (TMACS) and Data Acquisition and Control System (DACS).
Environmental Monitoring & Investigations Data		QES ERS ABCASH LABCORE LIMS		JJ Dorian			Quanterra sends results directly from QES to ERS. WSCF uses ABCASH and LABCORE LIMS to report results to EMI
SAS Analytical Results	RLIMS-Lite			LL Lockrem			Sample status and result reporting
SNF FO	SMTD	LABCORE LIMS	K-Basins	MA Green	LC087	0.2 FTE	Sample data trending

APPENDIX I

ENVIRONMENTAL RESTORATION PROGRAM INPUTS

A-1-153

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
C. G. Mattsson, FDH 372-8381	J. E. Hyatt, WMH	FDH-9761247

Subject: ERC ANALYTICAL PROJECTIONS UPDATE FOR NOVEMBER 1997

DISTRIBUTION

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	X
		Fluor Daniel Hanford, Inc.		
		R. L. Bisping	N1-26	X
		CGM File/LB		
		Waste Management Federal Services of Hanford, Inc.		
		S. M. Joyce	H6-06	

FLUOR DANIEL

Fluor Daniel Hanford, Inc.
P.O. Box 1000
Richland, WA 99352

December 2, 1997

FDH-9761247

Ms. Jeannette E. Hyatt
Waste Management Federal Services
of Hanford, Inc. T6-04
P.O. Box 700
Richland, Washington 99352

Dear Ms. Hyatt:

ERC ANALYTICAL PROJECTIONS UPDATE FOR NOVEMBER 1997

Reference: Letter, W. H. Price, BHI, to R. L. Bisping, FDH, "ERC Analytical Projections Update for November 1997," CCN 053639, dated November 24, 1997.

Attached, and forwarded for your use, are the Environmental Restoration Contract Sample Projections for FY 1998 through 2002.

If you have questions or need more information on this matter, please contact Mr. Russ Bisping at 376-5695.

Sincerely,

Russell Bisping for

C. G. Mattsson, Project Director
Waste Management

CGM/rlb/lhr

Attachments

Attachment for FDH-9761247
ERC ANALYTICAL PROJECTIONS UPDATE FOR NOVEMBER 1997

Consisting of 139 pages including cover sheet

053639

Bechtel

3350 George Washington Way
Richland, WA 99352
Tel: (509) 375-4640
Fax: (509) 375-4644

HNF-SD-WM-TI-608 Rev. 6

Job No. 22192
Written Response Required: NO
Due Date: N/A
Actionee: N/A
Closes CCN: 052957
OU: N/A
TSD: N/A
ERA: N/A
Subject Code: 8610

NOV 24 1997

Fluor Daniel Hanford, Inc.
R. L. Bisping, Program Manager
Project Direction
P.O. Box 1000, N1-26
Richland, Washington 99352

Subject: **ERC ANALYTICAL PROJECTIONS UPDATE FOR NOVEMBER 1997**

Reference: Letter, D. B. Van Leuven, WMH, to Contractors, "Analytical Services Projections Update for November 1997," CCN 052957, dated October 31, 1997

Dear Mr. Bisping:

Attached are the Environmental Restoration Contract Sample Projections for FY 1998 through 2002. They are being provided to you in hard copy and electronic format. Attached are the tables for Sample Management, Development and Research, and Data Management that have been reviewed and updated.

If you have any questions, please contact Joan Kessner on 372-9538.

Sincerely,

W. H. Price, Manager
Sample and Data Management

JHK:fcp

Attachments: ERC Sample Projections for FY 1998 through 2002
ERC Sample Projections for FY 1998 through 2002 Diskette – S. M. Joyce only
Table Update – Sample Management, Development and Research, and Data Management

cc: S. M. Joyce (WMH) H6-06, w/a
D. M. Wanek (RL) H0-12, w/a

SAMPLE MANAGEMENT PROJECTIONS							
PROGRAM	ACTIVITY	CONTACT	ORGANIZATION	FACILITY	ADS#	FUNDING	DESCRIPTION
Environmental Restoration	Sample Management for ERC Activities	J. H. Kessner	Sample and Data Management	All	3400 & Projects		Stategic planning for BHI and integration of site analytical needs and resources.

DEVELOPMENT AND RESEARCH SUPPORT						
ACTIVITY	DEVELOPMENT OR RESEARCH	PROGRAM	FACILITY	ADS#	FUNDING	DESCRIPTION
No change						

DATA MANAGEMENT							
DATA SOURCE	DATA SYSTEM NAME	SITE DATA LINKS	PROGRAM	CONTACT	ADS#	FUNDING	DESCRIPTION
BHI Analytical Results	SDT (Sample Data Track)	HEIS	ERC	B. A. Kissinger	3400		Sample and Data tracking system developed by BHI.
BHI Analytical Results	HEIS	EDMS HGIS PSDB SDT WIDS	ERC	B. A. Kissinger	3400		Oracle database. Uses MS Access as user interface.

FY 1998

SAMPLE PROJECTIONS SUMMARY WORKSHEET
FY1998

053639

HNF-SD-WM-TI-608 Rev. 6

	# of Samples	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	2,696	All	375	305	0	1,141	1,079	0	155	774	619	0	615	
Quick Turnaround Laboratory	617	All	126/24	106	59	374	617	0	78	72	13			
Low Level Protocol Lab	1,459	All	461/22	136	167	754	1,193	0	359	322	0	0	0	
222-S/ PNNL	107	All	1	1	0	1	19	0	1	1	1	1	88	
Industrial Hygiene	181	All	0	0	0	0	0	0	0	0	0	0	181	
WSCF	548	All	0	0	0	0	548	0	0	0	0	0	0	
Other (PC, TRU)	167	All	5	5	0	100	167	0	5	15	0	0		

Additional Comments:

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100 B/C Funding Source: 3100

Planned Funding Amount: $857K

Contact: Jon Fancher Reference: Remedial Action

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	300(A)	Soil					300							GEA
Quick Turnaround Laboratory	150 (B)	Soil				120	150							GEA, GEA add-on, ICP metals, Cr6, Hg, Am241,Pu,U,Sr
Low Level Protocol Lab	300 (C)	soil				150	300							GEA, GEA add-on, ICP metals, Cr6, Hg, Am241,Pu,U,Sr
222-S/ PNNL														
Industrial Hygiene	30(D)	Other											30	Asbestos
Other (PC, TRU)														

Additional Comments:

(1) Assumes: 300 samples to 100N RCF.
(2) Assume all require radiochemical and 50% require metals analysis
(3) Assume all require radiochemical and 50% require metals analysis
(4) 40 samples for asbestos analysis at WSCF

✦These samples represent 52 sampling events. The frequency of these events is weekly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100 B/C Funding Source: DB8049

Planned Funding Amount: $18.2 K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Frank Corpuz

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
WSCF	78	Air					78(A)							These samples are done bi-weekly (3 samples during each bi-weekly sampling event).
WSCF	62	Air					62(B)							These samples are done bi-annually (2 samples during each bi-annual sampling event).

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, GEA, Isotopic Uranium, Isotopic Plutonium

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100-BC-5 RI Funding Source: ADS3115

Planned Funding Amount: $18.4 K

Contact: A. J. Knepp (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	52 8	Water Water				8(A)				52	52		52	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	12	Water				12(B)	12(C)		12(D)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:

(A) = Cr+6
(B) = ICP Metals – filtered and unfiltered
(C) = Gross Alpha, Gross Beta, H3, and Sr – Total
(D) = Anions

✦These samples represent 5 sampling events. The frequency of these events is 4 quarterly and 1 annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100-D Remedial Action Funding Source: ADS3115

Planned Funding Amount: $18.4K

Contact: Gary G Hamiliton Reference: Multiyear Work Plan

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	680	Soil		150		170(A)	360(B)							RCF (2/day for remainder of FY98); XRF analysis by ERC onsite.
Quick Turnaround Laboratory	152	Soil	24/24	24/24		152(C)	152(D)							
Low Level Protocol Lab	35	Soil	20/20	20/20		35(E)	35(F)							
222-S/ PNNL														
Industrial Hygiene	15	Other											15	Asbestos samples to WSCF.
Other (PC, TRU)														

Additional Comments: This assumes the approval of carryover, BCP 98-012, and Baseline Change 98-024 adding/accelerating work at 100-D Remediation.

(A) = XRF (As, Cd, Cr, Pb, Hg), Cr+6
(B) = RCF (Am-241, Co-60, Eu-152, Eu-154, Eu-155, U-238)
(C) = ICP, ICP Super Trace (Sb, As, Ba, Cd, Cr, Pb, Ag), Cr+6
(D) = GEA (add-on Am-241, U-238), Am-241, Isotopic Pu, Isotopic U, Ni-63, Sr-Total
(E) = ICP (Cr, Pb), ICP Super Trace (Sb, As, Ba, Cd, Cr, Pb, Ag), Cr+6
(F) = GEA (add-on Am-241, U-238), Am-241, Isotopic Pu, Isotopic U, Sr-Total

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100 D/DR Funding Source: DB8050

Planned Funding Amount: $25.3K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Wayne Pelly

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
PNNL	20	TLDs											20	Dosimetery read/cal. This is done quarterly (5 samples per quarter).
WSCF	104	Air					104(A)							These samples are done bi-weekly (4 samples during each bi-weekly sampling event).
WSCF	8	Air					8(B)							These samples are done bi-annually (4 samples during each bi-annual sampling event).

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, GEA, Isotopic Uranium, Isotopic Plutonium

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100-HR-3 IRM Funding Source: ADS3110

Planned Funding Amount: $67K

Contact: A. J. Knepp (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	193 136	Water Water				136(A)				193	193		193	The other analyses is for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	103	Water				73(D)	53(B)		103(C)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = Cr+6
(B) = Sr, H3, Tc 99, Total U
(C) = NO3
(D) = ICP Metals

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100-KR-4 IRM Funding Source: ADS3110

Planned Funding Amount: $65K

Contact: A. J. Knepp (B. H. Ford) Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	147	Water				84(A)				147	147		147	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	30	Water				25(D)	30(B)		25(C)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = Cr+6
(B) = Sr, H3, Gross Alpha, Gross Beta, Gamma Spec, C-14
(C) = Anions
(D) = ICP Metals, Mercury

✦These samples represent __ sampling events. The frequency of these events is_____

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100-NR-2 Process Funding Source: ADS3125

Planned Funding Amount: $4.5K

Contact: B. Ford Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	24	Water					24(A)							
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: A = Sr - Total

✦These samples represent 12 sampling events. The frequency of these events is monthly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100-NR-2 IAM Funding Source: ADS3125

Planned Funding Amount: $30K

Contact: B. Ford Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	30	Water								30	30		30	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	34	Water			5(A)	30(B)	19(C)		29(D)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = TPH
(B) = ICP Metals
(C) = Gamma Spec, Gross Alpha, Gross Beta, H3, and Sr.
(D) = Anions, Oil & Grease, pH, Ammonia

✦These samples represent 2 sampling events. The frequency of these events is 1 short and 1 annual.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100N Deactivation Funding Source: DB8073

Planned Funding Amount: $7K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Joe Zoric

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
PNNL	20	TLDs											20	Dosimetry read/cal. Done quarterly (5 samples per quarter).
WSCF	26	Air					26(A)							These samples are done bi-weekly.
WSCF	2	Air					2(B)							These samples are done bi-annually.

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, Gamma Spec, Isotopic Uranium, Isotopic Plutonium

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100N Deactivation Funding Source: to be provided by Facilities Services

Planned Funding Amount: *TBD

Contact: Joe Zoric/Dick Martin Reference: DrinkingWater Requirements

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL	4	Water					4							1 sample per quarter for process control.
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: WAC 246-290-300 (9). Analyze for Radium 226-228, Gross Alpha/Gross Beta, Tritium, and Sr-90.

* The work has been identified, but funding sources are still being evaluated.

✦These samples represent 4 sampling events. The frequency of these events is quarterly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 116N Stack Funding Source: TBD

Planned Funding Amount: *TBD

Contact: Joe Zoric/Tom Kisenwether Reference: Air Operating Permit

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	8	Air					8							These Process Control samples are being sent to WSCF for Gamma Spec, Sr-Total, Gross Alpha, and Gross Beta.

Additional Comments: *The work has been identified, but funding sources are still being evaluated.

✦These samples represent 1 sampling events. The frequency of these events is yearly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100N Deactivation Funding Source: 77BK27YA43

Planned Funding Amount: *TBD

Contact: Joe Zoric/Dick Martin Reference: 183N Water Plant 216 Permit

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis	160	Water					160(A)							Process Control support.
Quick Turnaround Laboratory														
Low Level Protocol Lab	160	Water	160(B)		160(C)				160(D)	160				Process Control support.
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:

(A) = GEA at RCF
(B) = VOA
(C) = Acrylamide
(D) = TSS, Chlorine (Total Residual), Sulfate, TDS.

* The work has been identified, but funding sources are still being evaluated.

✦These samples represent 38 sampling events. The frequency of these events is 26 are done biweekly and 12 are done monthly .

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100N Deactivation Funding Source: UN2EV

Planned Funding Amount: *TBD

Contact: Jim Rugg/Roger Landon Reference: Near Field Monitoring

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL	14	Water					14(A)							Process Control support for the N-Springs Seep Wells
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: Annual river shoreline sampling of N-Springs seep wells for Near Field Monitoring Program.
(A) = Gross Alpha, Gross Beta, Isotopic U, Sr 90.

* The work has been identified, but funding sources are still being evaluated.

✦These samples represent 1 sampling events. The frequency of these events is yearly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100N Deactivation Funding Source: UN2EV

Planned Funding Amount: *TBD

Contact: Bruce Ford Reference: NPDES Permit

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	4	Water								4	4			1 sample per quarter.
Quick Turnaround Laboratory														
Low Level Protocol Lab	4	Water				4								1 sample per quarter for iron and chromium.
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	4	Water					4							1 sample per quarter for screening for offsite transport.

Additional Comments: Well 199-N-8T.

- The work has been identified, but funding sources are still being evaluated.

✦These samples represent 4 sampling events. The frequency of these events is quarterly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100N Waste Sites Funding Source:

Planned Funding Amount: $40K

Contact: C. J. Perkins (WMNW 372-8042) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
PNNL	48	TLDs											48	Dosimetry read/cal. (Done quarterly. 12 samples during each sampling event.).
WSCF	78	Air					78(A)							These samples are done bi-weekly (3 samples during each bi-weekly sampling event).
WSCF	6	Air					6(B)							These samples are done bi-annually (3 samples during each bi-annual sampling event).
WSCF	3	Soil					3(B)							This is an annual sampling event.
WSCF	3	Veg					3(B)							This is an annual sampling event.
WSCF	10	Liquid					10(C)							This is an annual sampling event.

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, Gamma Spec, Isotopic Uranium, Isotopic Plutonium
(C) = Sr 90, Gamma Spec, and Tritium.

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 105-C ISS Funding Source: D&D Project Funding

Planned Funding Amount:

Contact: Rikki Harris Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory	10	Solid Liquid Other	10	10		10	10							Estimated - Any or all of the listed matrices could be encountered.
Low Level Protocol Lab	10	Soil	10	10		10	10			10				
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: Sample projections are for 1998 only. Project to be concluded in FY1998.

✦These samples represent__ sampling events. The frequency of these events is____.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998-2002 Project: 105F/105DR Reactors Funding Source: TBD

Planned Funding Amount: TBD

Contact: _____ Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: This project is currently in the planning stage. The schedule for and amount of analytical services for the project will be captured in the next set of sample projections.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 200-BP-11 Funding Source: BHI

Planned Funding Amount: $65K

Contact: Mark Buckmaster Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory	13	Soil	13	13		13(A)	13(B)		13(C)	13	13	13		Full chemical and physical analysis of 13 samples from a borehole. To be validated.
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:
(A) = ICP Supertrace, Mercury, Tin.
(B) = Gross Alpha, Gross Beta, Gamma Spec, Am-241, Pu, U, Sr, Tc-99.
(C) = Anions, NO2/NO3, Ammonia, pH.

✦These samples represent 1 sampling events. The frequency of these events is annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 200-CW-1 Funding Source: B20CW1670C

Planned Funding Amount: $95K

Contact: Greg Mitchum Reference: DWP

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	15 1	Soil Water	15 1	15 1		15 1	15 1		15 1	11		11	11	45 day turnaround time. 8 high-level rad samples. Summaray Validation.
222-S/ PNNL	14	Water					14							Process control
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: **ASSUMPTIONS:** Samples associated with one borehole to groundwater at the 216-B-2-2 Ditch.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 200-UP-1 IRM Funding Source: ADS3210

Planned Funding Amount: $83K

Contact: M. Buckmaster (B. H. Ford) Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	104	Water	104				104(A)			104	104		104	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	104	Water					104(B)							
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = Total U
(B) = Tc99

Shutdown in 1999

✦These samples represent 4 sampling events. The frequency of these events is quarterly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 200-ZP-1 IRM Funding Source: ADS3210

Planned Funding Amount: $37K

Contact: M. Buckmaster (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	66	Water	66(A)							66	66		66	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA

✦These samples represent 6 sampling events. The frequency of these events is 4 quarterly and 2 semiannually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 300-FF-1 Funding Source: DB8055

Planned Funding Amount: $14.2K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Charlie Johnson

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
WSCF	78	Air					78[A]							These samples are done bi-weekly (3 samples during each bi-weekly sampling event).
WSCF	6	Air					6[B]							These samples are done bi-annually (3 samples during each bi-annual sampling event).

Additional Comments: A = Gross Alpha and Gross Beta
B = Sr 90, GEA, Isotopic Uranium, Isotopic Plutonium

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 300-FF-1/Landfill 1A Funding Source: ADS3300/WP RNDF1A

Planned Funding Amount: _____

Contact: J. A. Lerch/R. A. Carlson Reference: DOE/RL-96-70

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	continuous continuous as needed 120 5	Soil Air Air Soil Other	X 5	5		120 5	X X 5		5	5				H&S, ERDF WAC (RCTs) H&S, Air emissions OVM, breathing zone (Weston) 1 XRF/150 cubic yards anomalous (HazCat, IMA, XRF)
Quick Turnaround Laboratory	10 3 3	Soil/Other Other Other	3	3	3	3	10 3 3		3	3				Offsite Screen (RCF) Anomalous (RCF) Anomalous (Commercial)(A)
Low Level Protocol Lab	8	Soil	8			8	8							Verification (COCs)(B)
222-S/ PNNL														
Industrial Hygiene	2	Other											2	Asbestos (WSCF)
Other (PC, TRU)														

Additional Comments: (A) = Requested analyses for QTL anomalous waste will be determined based on field analysis; will likely be a subset of fractions identified by "x" Metals analyses may include TCLP. Turnaround time requested will likely be 3-5 days, depending on requested analyses.

(B) = 300-FF-1 COC list includes ICP metals (As, Tl), Semi-VOA (Chrysene, Benzo(a)pyrene), PCBs, Isotopic Uranium, Cobalt-60. Turnaround time for verification samples is expected to be 15 days with a summary deliverable package.

Project is scheduled for completion by the end of FY1998.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 300-FF-1/Landfill 1B Funding Source: ADS3300/WP RNDF1B

Planned Funding Amount: _____

Contact: J. A. Lerch/R. A. Carlson Reference: DOE/RL-96-70

	# of Samples✦	Matrix	ANALYSIS										Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical			
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	continuous continuous as needed 180 5	Soil Air Air Soil Other	 X 5	 5	 	 180 5	X X 5	 	 5	 5	 	 	 	H&S, ERDF WAC (RCTs) H&S, Air emissions OVM, breathing zone (Weston) 1 XRF/150 cubic yards anomalous (HazCat, IMA, XRF)
Quick Turnaround Laboratory	10 3 3	Soil/Other Other Other	 3	 3	 3	 3	10 3 3	 	 3	 3	 	 	 	Offsite Screen (RCF) Anomalous (RCF) Anomalous (Commercial)(A)
Low Level Protocol Lab	8	Soil	8			8	8							Verification (COCs)(B)
222-S/ PNNL														
Industrial Hygiene	2	Other											2	Asbestos (WSCF)
Other (PC, TRU)														

Additional Comments: (A) = Requested analyses for QTL anomalous waste will be determined based on field analysis; will likely be a subset of fractions identified by "x" Metals analyses may include TCLP. Turnaround time requested will likely be 3-5 days, depending on requested analyses.

(B) = 300-FF-1 COC list includes ICP metals (As, Tl), Semi-VOA (Chrysene, Benzo(a)pyrene), PCBs, Isotopic Uranium, Cobalt-60. Turnaround time for verification samples is expected to be 15 days with a summary deliverable package.

Project is scheduled for completion at the end of FY1998.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 300-FF-1/Landfill 1D Funding Source: ADS3300/WP RNDF1D

Planned Funding Amount: _____

Contact: J. A. Lerch/R. A. Carlson Reference: DOE/RL-96-70

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	continuous continuous as needed 35 5	Soil Air Air Soil Other	 X 5	 5	 	 35 5	X X 5	 	 5	 5	 	 	 	H&S, ERDF WAC (RCTs) H&S, Air emissions OVM, breathing zone (Weston) 1 XRF/150 cubic yards anomalous (HazCat, IMA, XRF)
Quick Turnaround Laboratory	10 3 3	Soil/Other Other Other	 3	 3	 3	 3	10 3 3	 	 3	 3	 	 	 	Offsite Screen (RCF) Anomalous (RCF) Anomalous (Commercial)(A)
Low Level Protocol Lab	8	Soil	8			8	8							Verification (COCs)(B)
222-S/ PNNL														
Industrial Hygiene	2	Other											2	Asbestos (WSCF)
Other (PC, TRU)														

Additional Comments: (A) = Requested analyses for QTL anomalous waste will be determined based on field analysis; will likely be a subset of fractions identified by "x" Metals analyses may include TCLP. Turnaround time requested will likely be 3-5 days, depending on requested analyses.

(B) = 300-FF-1 COC list includes ICP metals (As, Tl), Semi-VOA (Chrysene, Benzo(a)pyrene), PCBs, Isotopic Uranium, Cobalt-60. Turnaround time for verification samples is expected to be 15 days with a summary deliverable package.

Project is scheduled for completion by the end of FY1998.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 300-FF-1/North Process Pond Funding Source: ADS3300/WP RNPACS

Planned Funding Amount: _____

Contact: J. A. Lerch/R. A. Carlson Reference: DOE/RL-96-70

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	continuous continuous 25	Soil Air Soil				25	X X							H&S, ERDF WAC (RCTs) H&S, Air emissions XRF
Quick Turnaround Laboratory	18	Soil					18							Offsite Screen (RCF)
Low Level Protocol Lab	18	Soil	18			18	18							Verification (COCs)(A)
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = 300-FF-1 COC list includes ICP metals (As, Tl), Semi-VOA (Chrysene, Benzo(a)pyrene), PCBs, Isotopic Uranium, Cobalt-60. Turnaround time for verification samples is expected to be 15 days with a summary deliverable package.

Project is scheduled for completion at end of FY1998.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 300-FF-1/Process Trenches Funding Source: ADS3300/WP RPTACS

Planned Funding Amount: _____

Contact: J. A. Lerch/R. A. Carlson Reference: DOE/RL-96-70

	# of Samples+	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	continuous continuous 8	Soil Air Soil				8	X X							H&S, ERDF WAC (RCTs) H&S, Air emissions XRF
Quick Turnaround Laboratory	8	Soil					8							Offsite Screen (RCF)
Low Level Protocol Lab	8	Soil	8			8	8							Verification (COCs)(A)
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = 300-FF-1 COC list includes ICP metals (As, Tl), Semi-VOA (Chrysene, Benzo(a)pyrene), PCBs, Isotopic Uranium, Cobalt-60. Turnaround time for verification samples is expected to be 15 days with a summary deliverable package.

Project is scheduled for completion by the end of FY1998.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 300-FF-1/South Process Pond Funding Source: ADS3300/WP RSPPAC

Planned Funding Amount: _____

Contact: J. A. Lerch/R. A. Carlson Reference: DOE/RL-96-70

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	continuous continuous 60	Soil Air Soil				60	X X							H&S, ERDF WAC (RCTs) H&S, Air emissions XRF
Quick Turnaround Laboratory	42	Soil					42							Offsite Screen (RCF)
Low Level Protocol Lab	42	Soil	42			42	42							Verification (COCs)(A)
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = 300-FF-1 COC list includes ICP metals (As, Tl), Semi-VOA (Chrysene, Benzo(a)pyrene), PCBs, Isotopic Uranium, Cobalt-60. Turnaround time for verification samples is expected to be 15 days with a summary deliverable package.

Project is scheduled for completion by the end of FY1998.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 300-FF-1/618-4 Burial Ground Funding Source: ADS3300/WP RG6184

Planned Funding Amount:

Contact: J. A. Lerch/R. A. Carlson Reference: DOE/RL-96-70

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	continuous continuous as needed 160 140	Soil Air Air Soil Other	X 140	140		160 140	X X 140		140	140				H&S, ERDF WAC (RCTs) H&S, Air emissions OVM, breathing zone (Weston) 1 XRF/150 cubic yards anomalous (HazCat, IMA, XRF)
Quick Turnaround Laboratory	70 30 50	Soil/Other Other Other	50	50	50	50	70 30 50		50	50				Offsite Screen (RCF) Anomalous (RCF) Anomalous (Commercial)(A)
Low Level Protocol Lab	20	Soil	20			20	20							Verification (COCs)(B)
222-S/ PNNL														
Industrial Hygiene	10												10	Asbestos (WSCF)
Other (PC, TRU)														

Additional Comments: (A) = Requested analyses for QTL anomalous waste will be determined based on field analysis; will likely be a subset of fractions identified by "x" Metals analyses may include TCLP. Turnaround time requested will likely be 3-5 days, depending on requested analyses.

(B) = 300-FF-1 COC list includes ICP metals (As, Tl), Semi-VOA (Chrysene, Benzo(a)pyrene), PCBs, Isotopic Uranium, Cobalt-60. Turnaround time for verification samples is expected to be 15 days with a summary deliverable package.

Project is scheduled to be completed by the end of FY1998.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 300-FF-2 Funding Source: P22104

Planned Funding Amount: $18K

Contact: L. C. Hulstrom Reference: DOE/RL-96-42

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	3	GW								3	3		3	
Quick Turnaround Laboratory														
Low Level Protocol Lab	8	GW	4/2		2	6	3							
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: One annual round of sampling at well 699-13-3A. Semi-annual sampling at well 699-S6-E4A. Metals include both filtered and unfiltered. Rad Chem includes gross alpha, gross beta, total uranium, and GEA. Other Organic include the WTPH series (TPH, WTPH-D, WTPH-G). VOA/Semi-VOA include the 2 E4A samples plus a VOA trip blank for each event and include a tri-butyl phosphate analysis. Other Physical includes temperature, turbidity, and dissolved oxygen. Sampling for each fiscal year is projected to be the same unless conditions or work scope changes occur.

✦These samples represent 2 sampling events. The frequency of these events is 1 annual and 1 semi-annual.

FF2PROJ.WPD

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 300-FF-5 Funding Source: ADS 3800 or 3510

Planned Funding Amount: $26K

Contact: Bruce Ford Reference: DOE-RL-95-7.3 and BHI Chron #041489

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	9	Water	2(A)				9(B)							
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA
(B) = Total U

✦These samples represent___ sampling events. The frequency of these events is _____.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 300-FF-5 Rivershore Sampling Funding Source: ADS 3115

Planned Funding Amount: $40K

Contact: Bruce Ford Reference: DOE-RL-95-7.3 and BHI Chron #041489

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	3	Water	3(A)				3(B)							
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: These are near shore river samples.
(A) = VOA
(B) = Total U

✦These samples represent 2 sampling events. The frequency of these events is yearly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: D&D Projects Funding Source: EM-40

Planned Funding Amount: TBD

Contact: J. Rugg Reference: D&D Long-Term Surveillance & Maintenance Schedule

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	300 20	Other Soil	100	80		200	300			125		20		
222-S/ PNNL														
Industrial Hygiene	150	Other											150	Asbestos and lead paint
Other (PC, TRU)	TRU = 135	Other				85	135							U, Pu, Am, Np, Cm

Additional Comments: TRU samples may have $>10^6$ dpm smearable alpha contamination.

TRU = Transuranic

✦These samples represent_____ sampling events. The frequency of these events is _____.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: D & D Projects Funding Source: D&D Project Funding

Planned Funding Amount: TBD

Contact: Rikki Harris Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	5	Solid/ Liquid	5	5			5		5					
Additional Comments:														

✦These samples represent__ sampling events. The frequency of these events is____.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: D & D Projects 233-S Funding Source: D&D Project Funding

Planned Funding Amount: _____

Contact: Rikki Harris Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory	20	Solid/ Liquid/ Other	20			20	20							Estimated. All matrices listed could be encountered.
Low Level Protocol Lab	10	Soil	10	10		10	10			10				
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	15	Solid/ Liquid				15	15			15				Samples may contain $>10^6$ dpm smearable alpha contamination.
Additional Comments:														

✦These samples represent__ sampling events. The frequency of these events is____.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: ERDF Funding Source: DB8006

Planned Funding Amount: $18.2K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Fred Roeck

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
WSCF	78	Air					78(A)							These samples are done bi-weekly (3 samples during each bi-weekly sampling event).
WSCF	6	Air					6(B)							These samples are done bi-annually (3 samples during each bi-annual sampling event).

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, GEA, Isotopic Uranium, Isotopic Plutonium

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: ERDF Funding Source: ADS3700

Planned Funding Amount: $10.2K

Contact: F. Roeck (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	8	Water								8	8		8	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	8	Water	8(A)			8(B)	8(C)		8(D)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:
(A) = VOA
(B) = ICP Metals plus GFAA Metals for Arsenic and Selenium
(C) = Gross Alpha, Gross Beta, I 129, Total Radium, C 14, Tc 99, and Total U.
(D) = TDS, Anions (Cl, Fl, SO4), Alkalinity, NO2/NO3, TOX

✦These samples represent 2 sampling events. The frequency of these events is semianually .

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: ERDF Funding Source: Waste Management (WMFS)

Planned Funding Amount: $39.4 K

Contact: Mike Casbon Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	130	Air					130							3 sites X 26, biweekly and 1site X 52, weekly samples for Gross Alpha and Gross Beta.
	8	Air					8							2 sites X 4, quarterly for GEA, Sr90, U, Pu, and Am
	6	Water	6(A)			6	6		6(B)	6				1 sample per 200,000 gallons of leachate
	1	Soil					1							1 sample yearly
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA

(B) = Total Dissolved Solids, Total Suspended Solids, Anions, ammonia, Total Organic Carbon

All air sampling is now being done through Fluor Daniel for BHI

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: Horn Rapids Funding Source: ADS 3800 or 3510

Planned Funding Amount: $26K

Contact: Bruce Ford Reference: DOE-RL-95-7.3 and BHI Chron #041489

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis	12	Water								12	12		12	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	12	Water	10(A)			2(B)								
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA
(B) = Total Cr

✦These samples represent 5 sampling events. The frequency of these events is yearly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: N-Basin Cleanout (Sludge Sample) Funding Source: ADS3600

Planned Funding Amount: $61.5K

Contact: S. J. Trent/Garth Duncan Reference: _____

	# of Samples+	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL	1	Other	1	1		1(A)	1(B)		1	1	1	1		Need 15 working day turn around on preliminary data for rads, geotech, and viscosity. All other data required within 45 working days of delivery. All analyses to be performed in accordance with SW846 QAQC procedural protocols.
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = TCLP and Total Metals
(B) = GEA, AEA, Gross Alpha, Gross Beta, Isotopic Uranium, and Sr-89/90

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: N-Basin Cleanout (Water Samples) Funding Source: ADS3600

Planned Funding Amount: $6K

Contact: S. J. Trent/Garth Duncan Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory	6	Water					6(A)		6(B)					Assuming a 7 day turnaround time.
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = GEA

(B)= Total Organic Carbon and Total Suspended Solids

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998

Project: NRDWL

Funding Source: BHI

Planned Funding Amount: $34K

Contact: Mark Buckmaster

Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	50	Soil Gas	50											Same day TAT.
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														
Additional Comments:														

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FY 1999

SAMPLE PROJECTIONS SUMMARY WORKSHEET
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	# of Samples	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	1,915	All	170	0	0	418	1,069	0	0	616	616	0	616	
Quick Turnaround Laboratory	277	All	30/10	10	0	149	277	0	0	0	0	0	0	
Low Level Protocol Lab	1,643	All	673/70	130	165	940	1,397	0	343	563	357	357	357	
222-S/ PNNL	106	All	0	0	0	0	18	0	0	0	0	0	0	
Industrial Hygiene	135	All	0	0	0	0	0	0	0	0	0	0	135	
WSCF	464	All	0	0	0	0	464	0	0	0	0	0	0	
Other (PC, TRU)	67	All	5	5	0	35	67	5	0	15	0	0	0	
Additional Comments:														

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100 B/C Funding Source: 3100

Planned Funding Amount: $1,020K

Contact: Jon Fancher Reference: Remedial Action

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	300(A)	Soil					300							GEA
Quick Turnaround Laboratory	100 (A)	Soil				50	100							GEA, GEA add-on, ICP metals, Cr+6, Hg, Am241,Pu,U,Sr(D)
Low Level Protocol Lab	300 (B)	soil				150	300							GEA, GEA add-on, ICP metals, Cr+6, Hg, Am241,Pu,U,Sr(D)
222-S/ PNNL														
Industrial Hygiene	20(C)	Other											40	Asbestos
Other (PC, TRU)														

Additional Comments:

(A) Assumes: 300 samples to 100N RCF.
(B) Assume all require radiochemical and 50% require metals analysis
(C) 20 samples for asbestos analysis at WSCF
(D) Assume 50% will require Ni-63 analysis.

✦These samples represent 52 sampling events. The frequency of these events is weekly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100 B/C Funding Source: DB8049

Planned Funding Amount: $18.2 K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Frank Corpuz

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
WSCF	78	Air					78(A)							These samples are done bi-weekly (3 samples during each bi-weekly sampling event).
WSCF	62	Air					62(B)							These samples are done bi-annually (2 samples during each bi-annual sampling event).

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, GEA, Isotopic Uranium, Isotopic Plutonium

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100-BC-5 RI Funding Source: ADS3115

Planned Funding Amount: $18.4 K

Contact: A. J. Knepp (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	52 8	Water Water				8(A)				52	52		52	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	12	Water				12(B)	12(C)		12(D)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:

(A) = Cr+6
(B) = ICP Metals – filtered and unfiltered
(C) = Gross Alpha, Gross Beta, H3, and Sr – Total
(D) = Anions

✦These samples represent 5 sampling events. The frequency of these events is 4 quarterly and 1 annually .

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100-D Remedial Action Funding Source: ADS3115

Planned Funding Amount: $865K

Contact: Gary G Hamiliton Reference: Multiyear Work Plan

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	590	Soil				190(A)	400(B)							RCF (2/day for remainder of FY98); XRF analysis by ERC onsite.
Quick Turnaround Laboratory	52	Soil	10/10	10/10		52(C)	52(D)							
Low Level Protocol Lab	121	Soil	70/70	70/70		121(E)	121(F)							
222-S/ PNNL														
Industrial Hygiene	15	Other											15	Asbestos samples to WSCF.
Other (PC, TRU)														

Additional Comments: This assumes the approval of carryover, BCP 98-012, and Baseline Change 98-024 adding/accelerating work at 100-D Remediation.

(A) = XRF (As, Cd, Cr, Pb, Hg), Cr+6
(B) = RCF (Am-241, Co-60, Eu-152, Eu-154, Eu-155, U-238)
(C) = ICP, ICP Super Trace (Sb, As, Ba, Cd, Cr, Pb, Ag), Cr+6
(D) = GEA (add-on Am-241, U-238), Am-241, Isotopic Pu, Isotopic U, Ni-63, Sr-Total
(E) = ICP (Cr, Pb), ICP Super Trace (Sb, As, Ba, Cd, Cr, Pb, Ag), Cr+6
(F) = GEA (add-on Am-241, U-238), Am-241, Isotopic Pu, Isotopic U, Sr-Total

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100 D/DR Funding Source: DB8050

Planned Funding Amount: $25.3K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Wayne Pelly

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
PNNL	20	TLDs											20	Dosimetery read/cal. This is done quarterly (5 samples per quarter).
WSCF	104	Air					104(A)							These samples are done bi-weekly (4 samples during each bi-weekly sampling event).
WSCF	8	Air					8(B)							These samples are done bi-annually (4 samples during each bi-annual sampling event).

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, GEA, Isotopic Uranium, Isotopic Plutonium

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100F Funding Source: 3100

Planned Funding Amount: $ 40K

Contact: Jon Fancher Reference: Remedial Action

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	30(A)	Soil					30							GEA
Quick Turnaround Laboratory	30(B)	Soil				8	30							GEA, GEA add-on, ICP Metals, Cr +6, Mercury, Am-241, Plutonium, Uranium, and Strontium.
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: NOTE: Analytes have not been determined, these are preliminary.

1 = Ship to 100N RCF

2 = Assume all require Radiochemistry and 25% require Metals analysis.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100H Funding Source: 3100

Planned Funding Amount: $350K

Contact: Jon Fancher Reference: Remedial Action

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	75(A)	Soil					75							GEA
Quick Turnaround Laboratory	75(B)	Soil				19	75							GEA, GEA add-on, ICP Metals, Cr+6, Mercury, Am-241, Plutonium, Uranium, and Strontium.
Low Level Protocol Lab	10(B)	Soil				2	10							GEA, GEA add-on, ICP Metals, Cr+6, Mercury, Am-241, Plutonium, Uranium, and Strontium..
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = Ship to 100N RCF

(B) = Assume all require Radiochemistry and 25% require Metals analysis.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100-HR-3 IRM Funding Source: ADS3110

Planned Funding Amount: $67K

Contact: A. J. Knepp (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	193 136	Water Water				136(A)				193	193		193	The other analyses is for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	103	Water				73(D)	53(B)		103(C)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:
(A) = Cr+6
(B) = Sr, H3, Tc 99, Total U
(C) = NO3
(D) = ICP Metals

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100-KR-4 IRM Funding Source: ADS3110

Planned Funding Amount: $65K

Contact: A. J. Knepp (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	147	Water				84(A)				147	147		147	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	30	Water				25(D)	30(B)		25(C)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:
(A) = Cr+6
(B) = Sr, H3, Gross Alpha, Gross Beta, Gamma Spec, C-14
(C) = Anions
(D) = ICP Metals, Mercury

✦These samples represent __ sampling events. The frequency of these events is_____

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100-NR-2 Process Funding Source: ADS3125

Planned Funding Amount: $4.5K

Contact: B. Ford Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	24	Water					24(A)							
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														
Additional Comments: A = Sr - Total														

✦These samples represent 12 sampling events. The frequency of these events is monthly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100-NR-2 IAM Funding Source: ADS3125

Planned Funding Amount: $30K

Contact: B. Ford Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	30	Water								30	30		30	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	34	Water			5(A)	30(B)	19(C)		29(D)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = TPH
(B) = ICP Metals
(C) = Gamma Spec, Gross Alpha, Gross Beta, H3, and Sr.
(D) = Anions, Oil & Grease, pH, Ammonia

✦These samples represent 2 sampling events. The frequency of these events is 1 short and 1 annual.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100N Deactivation Funding Source: DB8073

Planned Funding Amount: $7K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Joe Zoric

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
PNNL	20	TLDs											20	Dosimetry read/cal. Done quarterly (5 samples per quarter).
WSCF	26	Air					26(A)							These samples are done bi-weekly.
WSCF	2	Air					2(B)							These samples are done bi-annually.

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, Gamma Spec, Isotopic Uranium, Isotopic Plutonium

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100N Deactivation Funding Source: to be provided by Facilities Services

Planned Funding Amount: *TBD

Contact: Joe Zoric/Dick Martin Reference: DrinkingWater Requirements

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL	4	Water					4							1 sample per quarter for process control.
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: WAC 246-290-300 (9). Analyze for Radium 226-228, Gross Alpha/Gross Beta, Tritium, and Sr-90.

* The work has been identified, but funding sources are still being evaluated.

✦These samples represent 4 sampling events. The frequency of these events is quarterly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 116N Stack Funding Source: TBD

Planned Funding Amount: *TBD

Contact: Joe Zoric/Tom Kisenwether Reference: Air Operating Permit

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	8	Air					8							These Process Control samples are being sent to WSCF for Gamma Spec, Sr-Total, Gross Alpha, and Gross Beta.

Additional Comments: *The work has been identified, but funding sources are still being evaluated.

✦These samples represent 1 sampling events. The frequency of these events is yearly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100N Deactivation Funding Source: 77BK27YA43

Planned Funding Amount: *TBD

Contact: Joe Zoric/Dick Martin Reference: 183N Water Plant 216 Permit

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis	160	Water					160(A)							Process Control support.
Quick Turnaround Laboratory														
Low Level Protocol Lab	160	Water	160(B)		160(C)				160(D)	160				Process Control support.
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:

(A) = GEA at RCF
(B) = VOA
(C) = Acrylamide
(D) = TSS, Chlorine (Total Residual), Sulfate, TDS.

* The work has been identified, but funding sources are still being evaluated.

✦These samples represent 38 sampling events. The frequency of these events is 26 are done biweekly and 12 are done monthly .

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100N Deactivation Funding Source: UN2EV

Planned Funding Amount: *TBD

Contact: Jim Rugg/Roger Landon Reference: Near Field Monitoring

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL	14	Water					14(A)							Process Control support for the N-Springs Seep Wells
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: Annual river shoreline sampling of N-Springs seep wells for Near Field Monitoring Program.
(A) = Gross Alpha, Gross Beta, Isotopic U, Sr 90.

* The work has been identified, but funding sources are still being evaluated.

✦These samples represent 1 sampling events. The frequency of these events is yearly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1998 Project: 100N Deactivation Funding Source: UN2EV

Planned Funding Amount: *TBD

Contact: Bruce Ford Reference: NPDES Permit

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	4	Water								4	4			1 sample per quarter.
Quick Turnaround Laboratory														
Low Level Protocol Lab	4	Water				4								1 sample per quarter for iron and chromium.
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	4	Water					4							1 sample per quarter for screening for offsite transport.

Additional Comments: Well 199-N-8T.

- The work has been identified, but funding sources are still being evaluated.

✦These samples represent 4 sampling events. The frequency of these events is quarterly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 100N Waste Sites Funding Source:

Planned Funding Amount: $40K

Contact: C. J. Perkins (WMNW 372-8042) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
PNNL	48	TLDs											48	Dosimetry read/cal. (Done quarterly. 12 samples during each sampling event.).
WSCF	78	Air					78(A)							These samples are done bi-weekly (3 samples during each bi-weekly sampling event).
WSCF	6	Air					6(B)							These samples are done bi-annually (3 samples during each bi-annual sampling event).
WSCF	3	Soil					3(B)							This is an annual sampling event.
WSCF	3	Veg					3(B)							This is an annual sampling event.
WSCF	10	Liquid					10(C)							This is an annual sampling event.

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, Gamma Spec, Isotopic Uranium, Isotopic Plutonium
(C) = Sr 90, Gamma Spec, and Tritium.

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 200 Areas Source Funding Source: ADS3200

Planned Funding Amount: $1900K

Contact: Greg Mitchum Reference: 200A Strategy

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	357	Soil	357			357	357			357	357	357	357	45 day turnaround time. Validated data.
222-S/ PNNL	14	Water					14							Process control
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: **ASSUMPTIONS:** 51 SAMPLES PER WASTE SITE sw-846/CLP-level analyses; Twenty-eight 200 Area Source waste sites to be characterized in FY1999-FY2002.
Cost is based on unit cost of $4.6K/sample for SW-846/CLP analysis set plus an allowance of $40K/waste site for high-level ad samples.
8 samples per SDG.
Samples from 1 borehole, 2 test pits, 1 surface rad survey per waste site roughly evenly spaced during FY1999 - 2002

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 200-UP-1 IRM Funding Source: ADS3210

Planned Funding Amount: $83K

Contact: M. Buckmaster (B. H. Ford) Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	104	Water	104				104(A)			104	104		104	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	104	Water					104(B)							
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = Total U
(B) = Tc99

Shutdown in 1999

✦These samples represent 4 sampling events. The frequency of these events is quarterly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 200-ZP-1 IRM Funding Source: ADS3210

Planned Funding Amount: $37K

Contact: M. Buckmaster (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	66	Water	66(A)							66	66		66	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA

✦These samples represent 6 sampling events. The frequency of these events is 4 quarterly and 2 semiannually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: 300-FF-5 Funding Source: ADS 3800 or 3510

Planned Funding Amount: $26K

Contact: Bruce Ford Reference: DOE-RL-95-7.3 and BHI Chron #041489

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	9	Water	2(A)				9(B)							
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA
(B) = Total U

✦These samples represent___ sampling events. The frequency of these events is _____.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: D&D Projects Funding Source: EM-40

Planned Funding Amount: TBD

Contact: J. Rugg Reference: D&D Long-Term Surveillance & Maintenance Schedule

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	195	Other	50	50		140	195			50				
222-S/ PNNL														
Industrial Hygiene	100	Other											100	Asbestos and lead paint
Other (PC, TRU)	TRU = 35	Other				20	35							Pu, Am, Np, Cm

Additional Comments: TRU samples may have >10^6 dpm smearable alpha contamination.

TRU = Transuranic

✦These samples represent_____ sampling events. The frequency of these events is _____.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: D & D Projects Funding Source: D&D Project Funding

Planned Funding Amount: TBD

Contact: Rikki Harris Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	5	Solid/ Liquid	5	5			5		5					
Additional Comments:														

✦These samples represent__ sampling events. The frequency of these events is____.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999

Project: D & D Projects 233-S

Funding Source: D&D Project Funding

Planned Funding Amount: TBD

Contact: Rikki Harris

Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory	20	Solid/ Liquid/ Other	20			20	20							Estimated. All matrices listed could be encountered.
Low Level Protocol Lab	10	Soil	10	10		10	10			10				
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	15	Solid/ Liquid				15	15			15				Samples may contain >10^6 dpm smearable alpha contamination.

Additional Comments:

✦These samples represent__ sampling events. The frequency of these events is____.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: ERDF Funding Source: DB8006

Planned Funding Amount: $18.2K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Fred Roeck

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
WSCF	78	Air					78(A)							These samples are done bi-weekly (3 samples during each bi-weekly sampling event).
WSCF	6	Air					6(B)							These samples are done bi-annually (3 samples during each bi-annual sampling event).

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, GEA, Isotopic Uranium, Isotopic Plutonium

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: ERDF Funding Source: ADS3700

Planned Funding Amount: $10.2K

Contact: F. Roeck (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	8	Water								8	8		8	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	8	Water	8(A)			8(B)	8(C)		8(D)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:
(A) = VOA
(B) = ICP Metals plus GFAA Metals for Arsenic and Selenium
(C) = Gross Alpha, Gross Beta, I 129, Total Radium, C 14, Tc 99, and Total U.
(D) = TDS, Anions (Cl, Fl, SO4), Alkalinity, NO2/NO3, TOX

✦These samples represent 2 sampling events. The frequency of these events is semianually .

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: ERDF Funding Source: Waste Management (WMFS)

Planned Funding Amount: $39.4 K

Contact: Mike Casbon Reference:

	# of Samples+	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	130	Air					130							3 sites X 26, biweekly and 1site X 52, weekly samples for Gross Alpha and Gross Beta.
	8	Air					8							2 sites X 4, quarterly for GEA, Sr90, U, Pu, and Am
	6	Water	6(A)			6	6		6(B)	6				1 sample per 200,000 gallons of leachate
	1	Soil					1							1 sample yearly
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA

(B) = Total Dissolved Solids, Total Suspended Solids, Anions, ammonia, Total Organic Carbon

All air sampling is now being done through Fluor Daniel for BHI

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY1999 Project: Horn Rapids Funding Source: ADS 3800 or 3510

Planned Funding Amount: $26K

Contact: Bruce Ford Reference: DOE-RL-95-7.3 and BHI Chron #041489

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis	12	Water								12	12		12	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	12	Water	10(A)			2(B)								
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA
(B) = Total Cr

✦These samples represent 5 sampling events. The frequency of these events is yearly.

FY 2000

SAMPLE PROJECTIONS SUMMARY WORKSHEET
FY2000

HNF-SD-WM-TI-608 Rev. 6

	# of Samples	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	2,006	All	66	0	0	418	1,160	0	0	512	512	0	508	
Quick Turnaround Laboratory	622	All	30/10	10	0	210	622	0	0	0	0	0	0	
Low Level Protocol Lab	1,274	All	623/70	80	165	717	1,033	0	343	533	357	357	357	
222-S/ PNNL	52	All	0	0	0	0	32	0	0	0	0	0	20	
Industrial Hygiene	15	All	0	0	0	0	0	0	0	0	0	0	15	
WSCF	252	All	0	0	0	0	252	0	0	0	0	0	0	
Other (PC, TRU)	62	All	5	5	0	25	52	5	15	0	0	0	25	
Additional Comments:														

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 100 B/C Funding Source: DB8049

Planned Funding Amount: $18.2 K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Frank Corpuz

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
WSCF	78	Air					78(A)							These samples are done bi-weekly (3 samples during each bi-weekly sampling event).
WSCF	62	Air					62(B)							These samples are done bi-annually (2 samples during each bi-annual sampling event).

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, GEA, Isotopic Uranium, Isotopic Plutonium

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 100-BC-5 RI Funding Source: ADS3115

Planned Funding Amount: $18.4 K

Contact: A. J. Knepp (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	52 8	Water Water				8(A)				52	52		52	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	12	Water				12(B)	12(C)		12(D)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:

(A) = Cr+6

(B) = ICP Metals – filtered and unfiltered

(C) = Gross Alpha, Gross Beta, H3, and Sr – Total

(D) = Anions

✦These samples represent 5 sampling events. The frequency of these events is 4 quarterly and 1 annually .

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 100-D Remedial Action Funding Source: ADS3115

Planned Funding Amount: $865K

Contact: Gary G Hamiliton Reference: Multiyear Work Plan

	# of Samples+	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	590	Soil				190(A)	400(B)							RCF (2/day for remainder of FY98); XRF analysis by ERC onsite.
Quick Turnaround Laboratory	52	Soil	10/10	10/10		52(C)	52(D)							
Low Level Protocol Lab	121	Soil	70/70	70/70		121(E)	121(F)							
222-S/ PNNL														
Industrial Hygiene	15	Other											15	Asbestos samples to WSCF.
Other (PC, TRU)														

Additional Comments: This assumes the approval of carryover, BCP 98-012, and Baseline Change 98-024 adding/accelerating work at 100-D Remediation.

(A) = XRF (As, Cd, Cr, Pb, Hg), Cr+6
(B) = RCF (Am-241, Co-60, Eu-152, Eu-154, Eu-155, U-238)
(C) = ICP, ICP Super Trace (Sb, As, Ba, Cd, Cr, Pb, Ag), Cr+6
(D) = GEA (add-on Am-241, U-238), Am-241, Isotopic Pu, Isotopic U, Ni-63, Sr-Total
(E) = ICP (Cr, Pb), ICP Super Trace (Sb, As, Ba, Cd, Cr, Pb, Ag), Cr+6
(F) = GEA (add-on Am-241, U-238), Am-241, Isotopic Pu, Isotopic U, Sr-Total

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 100H Funding Source: 3100

Planned Funding Amount: $350K

Contact: Jon Fancher Reference: Remedial Action

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	200(A)	Soil					200							GEA
Quick Turnaround Laboratory	150(B)	Soil				38	150							GEA, GEA add-on, ICP Metals, Cr+6, Mercury, Am-241, Plutonium, Uranium, and Strontium.
Low Level Protocol Lab	130(B)	Soil				33	130							GEA, GEA add-on, ICP Metals, Cr+6, Mercury, Am-241, Plutonium, Uranium, and Strontium..
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	10(C)	Insul-ation											10	

Additional Comments:

(A) = Ship to 100N RCF

(B) = Assume all require Radiochemistry.

(C) = Assume all require Radiochemistry and 25% require metals analysis.

(D) = Asbestos analysis at WSCF.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 100-HR-3 IRM Funding Source: ADS3110

Planned Funding Amount: $67K

Contact: A. J. Knepp (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	193 136	Water Water				136(A)				193	193		193	The other analyses is for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	103	Water				73(D)	53(B)		103(C)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:
(A) = Cr+6
(B) = Sr, H3, Tc 99, Total U
(C) = NO3
(D) = ICP Metals

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 100-KR-4 IRM Funding Source: ADS3110

Planned Funding Amount: $65K

Contact: A. J. Knepp (B. H. Ford) Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	147	Water				84(A)				147	147		147	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	30	Water				25(D)	30(B)		25(C)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:
(A) = Cr+6
(B) = Sr, H3, Gross Alpha, Gross Beta, Gamma Spec, C-14
(C) = Anions
(D) = ICP Metals, Mercury

✦These samples represent __ sampling events. The frequency of these events is_____

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 100-NR-2 Process Funding Source: ADS3125

Planned Funding Amount: $4.5K

Contact: B. Ford Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	24	Water					24(A)							
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: A = Sr - Total

✦These samples represent 12 sampling events. The frequency of these events is monthly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 100-NR-2 IAM Funding Source: ADS3125

Planned Funding Amount: $30K

Contact: B. Ford Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	30	Water								30	30		30	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level *Protocol* Lab	34	Water			5(A)	30(B)	19(C)		29(D)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = TPH
(B) = ICP Metals
(C) = Gamma Spec, Gross Alpha, Gross Beta, H3, and Sr.
(D) = Anions, Oil & Grease, pH, Ammonia

✦These samples represent 2 sampling events. The frequency of these events is 1 short and 1 annual.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 100N Deactivation Funding Source: DB8073

Planned Funding Amount: $7K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Joe Zoric

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
PNNL	20	TLDs											20	Dosimetry read/cal. Done quarterly (5 samples per quarter).
WSCF	26	Air					26(A)							These samples are done bi-weekly.
WSCF	2	Air					2(B)							These samples are done bi-annually.

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, Gamma Spec, Isotopic Uranium, Isotopic Plutonium

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 100N Deactivation Funding Source: to be provided by Facilities Services

Planned Funding Amount: *TBD

Contact: Joe Zoric/Dick Martin Reference: DrinkingWater Requirements

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL	4	Water					4							1 sample per quarter for process control.
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: WAC 246-290-300 (9). Analyze for Radium 226-228, Gross Alpha/Gross Beta, Tritium, and Sr-90.

* The work has been identified, but funding sources are still being evaluated.

✦These samples represent 4 sampling events. The frequency of these events is quarterly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 116N Stack Funding Source: TBD

Planned Funding Amount: *TBD

Contact: Joe Zoric/Tom Kisenwether Reference: Air Operating Permit

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	8	Air					8							These Process Control samples are being sent to WSCF for Gamma Spec, Sr-Total, Gross Alpha, and Gross Beta.

Additional Comments: *The work has been identified, but funding sources are still being evaluated.

✦These samples represent 1 sampling events. The frequency of these events is yearly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 100N Deactivation Funding Source: 77BK27YA43

Planned Funding Amount: *TBD

Contact: Joe Zoric/Dick Martin Reference: 183N Water Plant 216 Permit

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis	160	Water					160(A)							Process Control support.
Quick Turnaround Laboratory														
Low Level Protocol Lab	160	Water	160(B)		160(C)				160(D)	160				Process Control support.
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:

(A) = GEA at RCF
(B) = VOA
(C) = Acrylamide
(D) = TSS, Chlorine (Total Residual), Sulfate, TDS.

* The work has been identified, but funding sources are still being evaluated.

✦These samples represent 38 sampling events. The frequency of these events is 26 are done biweekly and 12 are done monthly .

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 100N Deactivation Funding Source: UN2EV

Planned Funding Amount: *TBD

Contact: Jim Rugg/Roger Landon Reference: Near Field Monitoring

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL	14	Water					14(A)							Process Control support for the N-Springs Seep Wells
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: Annual river shoreline sampling of N-Springs seep wells for Near Field Monitoring Program.
(A) = Gross Alpha, Gross Beta, Isotopic U, Sr 90.

* The work has been identified, but funding sources are still being evaluated.

✦These samples represent 1 sampling events. The frequency of these events is yearly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 100N Deactivation Funding Source: UN2EV

Planned Funding Amount: *TBD

Contact: Bruce Ford Reference: NPDES Permit

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	4	Water								4	4			1 sample per quarter.
Quick Turnaround Laboratory														
Low Level Protocol Lab	4	Water				4								1 sample per quarter for iron and chromium.
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	4	Water					4							1 sample per quarter for screening for offsite transport.

Additional Comments: Well 199-N-8T.

- The work has been identified, but funding sources are still being evaluated.

✦These samples represent 4 sampling events. The frequency of these events is quarterly .

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 200 Areas Source Funding Source: ADS3200

Planned Funding Amount: $1900K

Contact: Greg Mitchum Reference: 200A Strategy

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	357	Soil	357			357	357			357	357	357	357	45 day turnaround time. Validated data.
222-S/ PNNL	14	Water					14							Process control
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: **ASSUMPTIONS:** 51 SAMPLES PER WASTE SITE sw-846/CLP-level analyses; Twenty-eight 200 Area Source waste sites to be characterized in FY1999-FY2002.
Cost is based on unit cost of $4.6K/sample for SW-846/CLP analysis set plus an allowance of $40K/waste site for high-level ad samples.
8 samples per SDG.
Samples from 1 borehole, 2 test pits, 1 surface rad survey per waste site roughly evenly spaced during FY1999 - 2002

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 200-ZP-1 IRM Funding Source: ADS3210

Planned Funding Amount: $37K

Contact: M. Buckmaster (B. H. Ford) Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	66	Water	66(A)							66	66		66	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA

✦These samples represent 6 sampling events. The frequency of these events is 4 quarterly and 2 semiannually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 300-FF-5 Funding Source: ADS 3800 or 3510

Planned Funding Amount: $26K

Contact: Bruce Ford Reference: DOE-RL-95-7.3 and BHI Chron #041489

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	9	Water	2(A)				9(B)							
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA
(B) = Total U

✦These samples represent__ sampling events. The frequency of these events is _____.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: D&D Projects Funding Source: EM-40

Planned Funding Amount: TBD

Contact: J. Rugg Reference: D&D Long-Term Surveillance & Maintenance Schedule

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	195	Other	50	50		140	195			50				
222-S/ PNNL														
Industrial Hygiene	100	Other											100	Asbestos and lead paint
Other (PC, TRU)	TRU = 35	Other				20	35							Pu, Am, Np, Cm

Additional Comments: TRU samples may have >10^6 dpm smearable alpha contamination.

TRU = Transuranic

✦These samples represent_____ sampling events. The frequency of these events is _____.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: D & D Projects Funding Source: D&D Project Funding

Planned Funding Amount: TBD

Contact: Rikki Harris Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	5	Solid/ Liquid	5	5			5		5					
Additional Comments:														

✦These samples represent__ sampling events. The frequency of these events is____.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: D & D Projects 233-S Funding Source: D&D Project Funding

Planned Funding Amount: TBD

Contact: Rikki Harris Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory	20	Solid/ Liquid/ Other	20			20	20							Estimated. All matrices listed could be encountered.
Low Level Protocol Lab	10	Soil	10	10		10	10			10				
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	15	Solid/ Liquid				15	15			15				Samples may contain $>10^6$ dpm smearable alpha contamination.
Additional Comments:														

✦These samples represent__ sampling events. The frequency of these events is____.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: ERDF Funding Source: ADS3700

Planned Funding Amount: $10.2K

Contact: F. Roeck (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	8	Water								8	8		8	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	8	Water	8(A)			8(B)	8(C)		8(D)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:
(A) = VOA
(B) = ICP Metals plus GFAA Metals for Arsenic and Selenium
(C) = Gross Alpha, Gross Beta, I 129, Total Radium, C 14, Tc 99, and Total U.
(D) = TDS, Anions (Cl, Fl, SO4), Alkalinity, NO2/NO3, TOX

✦These samples represent 2 sampling events. The frequency of these events is semianually .

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: ERDF Funding Source: Waste Management (WMFS)

Planned Funding Amount: $39.4 K

Contact: Mike Casbon Reference:

	# of Samples+	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	130	Air					130							3 sites X 26, biweekly and 1site X 52, weekly samples for Gross Alpha and Gross Beta.
	8	Air					8							2 sites X 4, quarterly for GEA, Sr90, U, Pu, and Am
	6	Water	6(A)			6	6		6(B)	6				1 sample per 200,000 gallons of leachate
	1	Soil					1							1 sample yearly
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA

(B) = Total Dissolved Solids, Total Suspended Solids, Anions, ammonia, Total Organic Carbon

All air sampling is now being done through Fluor Daniel for BHI

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: ERDF Funding Source: DB8006

Planned Funding Amount: $18.2K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Fred Roeck

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
WSCF	78	Air					78(A)							These samples are done bi-weekly (3 samples during each bi-weekly sampling event).
WSCF	6	Air					6(B)							These samples are done bi-annually (3 samples during each bi-annual sampling event).

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, GEA, Isotopic Uranium, Isotopic Plutonium

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: Horn Rapids Funding Source: ADS 3800 or 3510

Planned Funding Amount: $26K

Contact: Bruce Ford Reference: DOE-RL-95-7.3 and BHI Chron #041489

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis	12	Water								12	12		12	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	12	Water	10(A)			2(B)								
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA
(B) = Total Cr

✦These samples represent 5 sampling events. The frequency of these events is yearly.

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SAMPLE PROJECTIONS SUMMARY WORKSHEET
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	# of Samples	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	1,016	All	66	0	0	228	360	0	0	512	512	0	512	
Quick Turnaround Laboratory	160	All	0	0	0	80	160	0	0	0	0	0	0	
Low Level Protocol Lab	1,188	All	543	0	165	667	947	0	343	523	357	357	357	
222-S/ PNNL	100	All	0	0	0	0	32	0	0	0	0	0	68	
Industrial Hygiene	27	All	0	0	0	0	0	0	0	0	0	0	27	
WSCF	268	All	0	0	0	0	268	0	0	0	0	0	0	
Other (PC, TRU)	32	All	0	0	0	10	32	0	0	0	0	0		
Additional Comments:														

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 100 B/C Funding Source: DB8049

Planned Funding Amount: $18.2 K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Frank Corpuz

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
WSCF	78	Air					78(A)							These samples are done bi-weekly (3 samples during each bi-weekly sampling event).
WSCF	62	Air					62(B)							These samples are done bi-annually (2 samples during each bi-annual sampling event).

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, GEA, Isotopic Uranium, Isotopic Plutonium

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 100-BC-5 RI Funding Source: ADS3115

Planned Funding Amount: $18.4 K

Contact: A. J. Knepp (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS										Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical			
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	52 8	Water Water				8(A)				52	52		52	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	12	Water				12(B)	12(C)		12(D)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:

(A) = Cr+6

(B) = ICP Metals – filtered and unfiltered

(C) = Gross Alpha, Gross Beta, H3, and Sr – Total

(D) = Anions

✦These samples represent 5 sampling events. The frequency of these events is 4 quarterly and 1 annually .

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 100F Funding Source: 3100

Planned Funding Amount: $ 40K

Contact: Jon Fancher Reference: Remedial Action

	# of Samples+	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	200(A)	Soil					200							GEA
Quick Turnaround Laboratory	160(B)	Soil				80	160							GEA, GEA add-on, ICP Metals, Cr +6, Mercury, Am-241, Plutonium, Uranium, and Strontium.
Low Level Protocol Lab	240(B)	Soil				120	240							GEA, GEA add-on, ICP Metals, Cr+6, Mercury, Am-241, Plutonium, Uranium, and Strontium.
222-S/ PNNL														
Industrial Hygiene	27(c)	Insul-Ation											27	
Other (PC, TRU)														

Additional Comments: NOTE: Analytes have not been determined, these are preliminary.

(A) = Ship to 100N RCF

(B) = Assume all require Radiochemistry and 25% require Metals analysis.

(C) = Asbestos analysis at WSCF.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 100-HR-3 IRM Funding Source: ADS3110

Planned Funding Amount: $67K

Contact: A. J. Knepp (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	193 136	Water Water				136(A)				193	193		193	The other analyses is for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	103	Water				73(D)	53(B)		103(C)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:
(A) = Cr+6
(B) = Sr, H3, Tc 99, Total U
(C) = NO3
(D) = ICP Metals

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 100-KR-4 IRM Funding Source: ADS3110

Planned Funding Amount: $65K

Contact: A. J. Knepp (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	147	Water				84(A)				147	147		147	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	30	Water				25(D)	30(B)		25(C)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:
(A) = Cr+6
(B) = Sr, H3, Gross Alpha, Gross Beta, Gamma Spec, C-14
(C) = Anions
(D) = ICP Metals, Mercury

✦These samples represent __ sampling events. The frequency of these events is_____

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 100-NR-2 Process Funding Source: ADS3125

Planned Funding Amount: $4.5K

Contact: B. Ford Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	24	Water					24(A)							
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: A = Sr - Total

✦These samples represent 12 sampling events. The frequency of these events is monthly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 100-NR-2 IAM Funding Source: ADS3125

Planned Funding Amount: $30K

Contact: B. Ford Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	30	Water								30	30		30	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	34	Water			5(A)	30(B)	19(C)		29(D)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = TPH
(B) = ICP Metals
(C) = Gamma Spec, Gross Alpha, Gross Beta, H3, and Sr.
(D) = Anions, Oil & Grease, pH, Ammonia

✦These samples represent 2 sampling events. The frequency of these events is 1 short and 1 annual.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 100N Deactivation Funding Source: DB8073

Planned Funding Amount: $7K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Joe Zoric

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
PNNL	20	TLDs											20	Dosimetry read/cal. Done quarterly (5 samples per quarter).
WSCF	26	Air					26(A)							These samples are done bi-weekly.
WSCF	2	Air					2(B)							These samples are done bi-annually.

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, Gamma Spec, Isotopic Uranium, Isotopic Plutonium

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 100N Deactivation Funding Source: to be provided by Facilities Services

Planned Funding Amount: *TBD

Contact: Joe Zoric/Dick Martin Reference: DrinkingWater Requirements

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL	4	Water					4							1 sample per quarter for process control.
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: WAC 246-290-300 (9). Analyze for Radium 226-228, Gross Alpha/Gross Beta, Tritium, and Sr-90.

* The work has been identified, but funding sources are still being evaluated.

✦These samples represent 4 sampling events. The frequency of these events is quarterly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 116N Stack Funding Source: TBD

Planned Funding Amount: *TBD

Contact: Joe Zoric/Tom Kisenwether Reference: Air Operating Permit

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	8	Air					8							These Process Control samples are being sent to WSCF for Gamma Spec, Sr-Total,.Gross Alpha, and Gross Beta.

Additional Comments: *The work has been identified, but funding sources are still being evaluated.

✦These samples represent 1 sampling events. The frequency of these events is yearly.

SAMPLE PROJECTIONS WORKSHEET[1]

Year: FY2001

Project: 100N Deactivation
HNF-SD-WM-TI-608 Rev. 6

Funding Source: 77BK27YA43
Planned Funding Amount: *TBD

Contact: Joe Zoric/Dick Martin

Reference: 183N Water Plant 216 Permit

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis	160	Water					160[A]							Process Control support.
Quick Turnaround Laboratory														
Low Level Protocol Lab	160	Water	160[B]		160[C]				160[D]	160				Process Control support.
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:

(A) = GEA at RCF
(B) = VOA
(C) = Acrylamide
(D) = TSS, Chlorine (Total Residual), Sulfate, TDS.

* The work has been identified, but funding sources are still being evaluated.

✦These samples represent 38 sampling events. The frequency of these events is 26 are done biweekly and 12 are done monthly .

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 100N Deactivation Funding Source: UN2EV

Planned Funding Amount: *TBD

Contact: Jim Rugg/Roger Landon Reference: Near Field Monitoring

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL	14	Water					14(A)							Process Control support for the N-Springs Seep Wells
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: Annual river shoreline sampling of N-Springs seep wells for Near Field Monitoring Program.
(A) = Gross Alpha, Gross Beta, Isotopic U, Sr 90.

* The work has been identified, but funding sources are still being evaluated.

✦These samples represent 1 sampling events. The frequency of these events is yearly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 100N Deactivation Funding Source: UN2EV

Planned Funding Amount: *TBD

Contact: Bruce Ford Reference: NPDES Permit

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	4	Water								4	4			1 sample per quarter.
Quick Turnaround Laboratory														
Low Level Protocol Lab	4	Water				4								1 sample per quarter for iron and chromium.
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	4	Water					4							1 sample per quarter for screening for offsite transport.

Additional Comments: Well 199-N-8T.

- The work has been identified, but funding sources are still being evaluated.

✦These samples represent 4 sampling events. The frequency of these events is quarterly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 100N Waste Sites Funding Source:_____

Planned Funding Amount: $40K

Contact: C. J. Perkins (WMNW 372-8042) Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
PNNL	48	TLDs											48	Dosimetry read/cal. (Done quarterly. 12 samples during each sampling event.).
WSCF	78	Air					78(A)							These samples are done bi-weekly (3 samples during each bi-weekly sampling event).
WSCF	6	Air					6(B)							These samples are done bi-annually (3 samples during each bi-annual sampling event).
WSCF	3	Soil					3(B)							This is an annual sampling event.
WSCF	3	Veg					3(B)							This is an annual sampling event.
WSCF	10	Liquid					10(C)							This is an annual sampling event.

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, Gamma Spec, Isotopic Uranium, Isotopic Plutonium
(C) = Sr 90, Gamma Spec, and Tritium.

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 200 Areas Source Funding Source: ADS3200

Planned Funding Amount: $1900K

Contact: Greg Mitchum Reference: 200A Strategy

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	357	Soil	357			357	357			357	357	357	357	45 day turnaround time. Validated data.
222-S/ PNNL	14	Water					14							Process control
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: **ASSUMPTIONS:** 51 SAMPLES PER WASTE SITE sw-846/CLP-level analyses; Twenty-eight 200 Area Source waste sites to be characterized in FY1999-FY2002.
Cost is based on unit cost of $4.6K/sample for SW-846/CLP analysis set plus an allowance of $40K/waste site for high-level ad samples.
8 samples per SDG.
Samples from 1 borehole, 2 test pits, 1 surface rad survey per waste site roughly evenly spaced during FY1999 - 2002

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 200-ZP-1 IRM Funding Source: ADS3210

Planned Funding Amount: $37K

Contact: M. Buckmaster (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	66	Water	66(A)							66	66		66	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA

✦These samples represent 6 sampling events. The frequency of these events is 4 quarterly and 2 semiannually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: 300-FF-5 Funding Source: ADS 3800 or 3510

Planned Funding Amount: $26K

Contact: Bruce Ford Reference: DOE-RL-95-7.3 and BHI Chron #041489

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	9	Water	2(A)				9(B)							
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA
(B) = Total U

✦These samples represent 5 sampling events. The frequency of these events is yearly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: D&D Projects Funding Source: EM-40

Planned Funding Amount: TBD

Contact: J. Rugg Reference: D&D Long-Term Surveillance & Maintenance Schedule

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	195	Other	50	50		140	195			50				
222-S/ PNNL														
Industrial Hygiene	100	Other											100	Asbestos and lead paint
Other (PC, TRU)	TRU = 35	Other				20	35							Pu, Am, Np, Cm

Additional Comments: TRU samples may have >10^6 dpm smearable alpha contamination.

TRU = Transuranic

✦These samples represent_____ sampling events. The frequency of these events is _____.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: ERDF Funding Source: ADS3700

Planned Funding Amount: $10.2K

Contact: F. Roeck (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	8	Water								8	8		8	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	8	Water	8(A)			8(B)	8(C)		8(D)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:
(A) = VOA
(B) = ICP Metals plus GFAA Metals for Arsenic and Selenium
(C) = Gross Alpha, Gross Beta, I 129, Total Radium, C 14, Tc 99, and Total U.
(D) = TDS, Anions (Cl, Fl, SO4), Alkalinity, NO2/NO3, TOX

✦These samples represent 2 sampling events. The frequency of these events is semianually .

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: ERDF Funding Source: Waste Management (WMFS)

Planned Funding Amount: $39.4 K

Contact: Mike Casbon Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	130	Air					130							3 sites X 26, biweekly and 1site X 52, weekly samples for Gross Alpha and Gross Beta.
	8	Air					8							2 sites X 4, quarterly for GEA, Sr90, U, Pu, and Am
	6	Water	6(A)			6	6		6(B)	6				1 sample per 200,000 gallons of leachate
	1	Soil					1							1 sample yearly
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA

(B) = Total Dissolved Solids, Total Suspended Solids, Anions, ammonia, Total Organic Carbon

All air sampling is now being done through Fluor Daniel for BHI

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2001 Project: Horn Rapids Funding Source: ADS 3800 or 3510

Planned Funding Amount: $26K

Contact: Bruce Ford Reference: DOE-RL-95-7.3 and BHI Chron #041489

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis	12	Water								12	12		12	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	12	Water	10(A)			2(B)								
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA
(B) = Total Cr

✦These samples represent 5 sampling events. The frequency of these events is yearly.

FY 2002

SAMPLE PROJECTIONS SUMMARY WORKSHEET
FY2002
HNF-SD-WM-TI-608 Rev. 6

	# of Samples	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	816	All	66	0	0	228	160	0	0	512	512	0	508	
Quick Turnaround Laboratory	0	All	0	0	0	0	0	0	0	0	0	0	0	
Low Level Protocol Lab	898	All	543	0	165	517	657	0	343	523	523	523	523	
222-S/ PNNL	86	All	0	0	0	0	18	0	0	0	0	0	68	
Industrial Hygiene	0	All	0	0	0	0	0	0	0	0	0	0	0	
WSCF	268	All	0	0	0	0	268	0	0	0	0	0	0	
Other (PC, TRU)	12	All	0	0	0	0	12	0	0	0	0	0	0	
Additional Comments:														

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: 100 B/C Funding Source: DB8049

Planned Funding Amount: $18.2 K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Frank Corpuz

	# of Samples+	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
WSCF	78	Air					78(A)							These samples are done bi-weekly (3 samples during each bi-weekly sampling event).
WSCF	62	Air					62(B)							These samples are done bi-annually (2 samples during each bi-annual sampling event).

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, GEA, Isotopic Uranium, Isotopic Plutonium

+These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: 100-BC-5 RI Funding Source: ADS3115

Planned Funding Amount: $18.4 K

Contact: A. J. Knepp (B. H. Ford) Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	52 8	Water Water				8(A)				52	52		52	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	12	Water				12(B)	12(C)		12(D)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:

(A) = Cr+6
(B) = ICP Metals – filtered and unfiltered
(C) = Gross Alpha, Gross Beta, H3, and Sr – Total
(D) = Anions

✦These samples represent 5 sampling events. The frequency of these events is 4 quarterly and 1 annually .

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: 100-HR-3 IRM Funding Source: ADS3110

Planned Funding Amount: $67K

Contact: A. J. Knepp (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	193 136	Water Water				136(A)				193	193		193	The other analyses is for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	103	Water				73(D)	53(B)		103(C)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = Cr+6
(B) = Sr, H3, Tc 99, Total U
(C) = NO3
(D) = ICP Metals

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: 100-KR-4 IRM Funding Source: ADS3110

Planned Funding Amount: $65K

Contact: A. J. Knepp (B. H. Ford) Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	147	Water				84(A)				147	147		147	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	30	Water				25(D)	30(B)		25(C)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:
(A) = Cr+6
(B) = Sr, H3, Gross Alpha, Gross Beta, Gamma Spec, C-14
(C) = Anions
(D) = ICP Metals, Mercury

✦These samples represent __ sampling events. The frequency of these events is_____

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: 100-NR-2 Process Funding Source: ADS3125

Planned Funding Amount: $4.5K

Contact: B. Ford Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	24	Water					24(A)							
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: A = Sr - Total

✦These samples represent 12 sampling events. The frequency of these events is monthly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: 100-NR-2 IAM Funding Source: ADS3125

Planned Funding Amount: $30K

Contact: B. Ford Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	30	Water								30	30		30	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	34	Water			5(A)	30(B)	19(C)		29(D)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = TPH
(B) = ICP Metals
(C) = Gamma Spec, Gross Alpha, Gross Beta, H3, and Sr.
(D) = Anions, Oil & Grease, pH, Ammonia

✦These samples represent 2 sampling events. The frequency of these events is 1 short and 1 annual.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: 100N Deactivation Funding Source: DB8073

Planned Funding Amount: $7K

Contact: C. J. Perkins (WMNW 372-8042) Reference: Joe Zoric

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
PNNL	20	TLDs											20	Dosimetry read/cal. Done quarterly (5 samples per quarter).
WSCF	26	Air					26(A)							These samples are done bi-weekly.
WSCF	2	Air					2(B)							These samples are done bi-annually.

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, Gamma Spec, Isotopic Uranium, Isotopic Plutonium

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: 100N Deactivation Funding Source: to be provided by Facilities Services

Planned Funding Amount: *TBD

Contact: Joe Zoric/Dick Martin Reference: DrinkingWater Requirements

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL	4	Water					4							1 sample per quarter for process control.
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: WAC 246-290-300 (9). Analyze for Radium 226-228, Gross Alpha/Gross Beta, Tritium, and Sr-90.

* The work has been identified, but funding sources are still being evaluated.

✦These samples represent 4 sampling events. The frequency of these events is quarterly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: 116N Stack Funding Source: TBD

Planned Funding Amount: *TBD

Contact: Joe Zoric/Tom Kisenwether Reference: Air Operating Permit

	# of Samples+	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	8	Air					8							These Process Control samples are being sent to WSCF for Gamma Spec, Sr-Total, Gross Alpha, and Gross Beta.

Additional Comments: *The work has been identified, but funding sources are still being evaluated.

+These samples represent 1 sampling events. The frequency of these events is yearly.

SAMPLE PROJECTIONS WORKSHEET1

Year: FY2002

Project: 100N Deactivation
HNF-SD-WM-TI-608 Rev. 6

Funding Source: 77BK27YA43
Planned Funding Amount: *TBD

Contact: Joe Zoric/Dick Martin

Reference: 183N Water Plant 216 Permit

	# of Samples+	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis	160	Water					160(A)							Process Control support.
Quick Turnaround Laboratory														
Low Level Protocol Lab	160	Water	160(B)		160(C)				160(D)	160				Process Control support.
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:

(A) = GEA at RCF
(B) = VOA
(C) = Acrylamide
(D) = TSS, Chlorine (Total Residual), Sulfate, TDS.

* The work has been identified, but funding sources are still being evaluated.

+These samples represent 38 sampling events. The frequency of these events is 26 are done biweekly and 12 are done monthly .

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: 100N Deactivation Funding Source: UN2EV

Planned Funding Amount: *TBD

Contact: Jim Rugg/Roger Landon Reference: Near Field Monitoring

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL	14	Water					14(A)							Process Control support for the N-Springs Seep Wells
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: Annual river shoreline sampling of N-Springs seep wells for Near Field Monitoring Program.
(A) = Gross Alpha, Gross Beta, Isotopic U, Sr 90.

* The work has been identified, but funding sources are still being evaluated.

✦These samples represent 1 sampling events. The frequency of these events is yearly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: 100N Deactivation Funding Source: UN2EV

Planned Funding Amount: *TBD

Contact: Bruce Ford Reference: NPDES Permit

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	4	Water								4	4			1 sample per quarter.
Quick Turnaround Laboratory														
Low Level Protocol Lab	4	Water				4								1 sample per quarter for iron and chromium.
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)	4	Water					4							1 sample per quarter for screening for offsite transport.

Additional Comments: Well 199-N-8T.

- The work has been identified, but funding sources are still being evaluated.

✦These samples represent 4 sampling events. The frequency of these events is quarterly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: 100N Waste Sites Funding Source:

Planned Funding Amount: $40K

Contact: C. J. Perkins (WMNW 372-8042) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
PNNL	48	TLDs											48	*Dosimetry read/cal. (Done quarterly. 12 samples during each sampling event.).*
WSCF	78	Air					78(A)							These samples are done bi-weekly (3 samples during each bi-weekly sampling event).
WSCF	6	Air					6(B)							These samples are done bi-annually (3 samples during each bi-annual sampling event).
WSCF	3	Soil					3(B)							This is an annual sampling event.
WSCF	3	Veg					3(B)							This is an annual sampling event.
WSCF	10	Liquid					10(C)							This is an annual sampling event.

Additional Comments: (A) = Gross Alpha and Gross Beta
(B) = Sr 90, Gamma Spec, Isotopic Uranium, Isotopic Plutonium
(C) = Sr 90, Gamma Spec, and Tritium.

✦These samples represent 32 sampling events. The frequency of these events is 4 quarterly, 26 bi-weekly and 2 bi-annually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: 200 Areas Source Funding Source: ADS3200

Planned Funding Amount: $1900K

Contact: Greg Mitchum Reference: 200A Strategy

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	357	Soil	357			357	357			357	357	357	357	45 day turnaround time. Validated data.
222-S/ PNNL	14	Water					14							Process control
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: ASSUMPTIONS: 51 SAMPLES PER WASTE SITE sw-846/CLP-level analyses; Twenty-eight 200 Area Source waste sites to be characterized in FY1999-FY2002.
Cost is based on unit cost of $4.6K/sample for SW-846/CLP analysis set plus an allowance of $40K/waste site for high-level ad samples.
8 samples per SDG.
Samples from 1 borehole, 2 test pits, 1 surface rad survey per waste site roughly evenly spaced during FY1999 - 2002

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: 200-ZP-1 IRM Funding Source: ADS3210

Planned Funding Amount: $37K

Contact: M. Buckmaster (B. H. Ford) Reference: _____

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	66	Water	66(A)							66	66		66	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab														
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														
Additional Comments: (A) = VOA														

✦These samples represent 6 sampling events. The frequency of these events is 4 quarterly and 2 semiannually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: 300-FF-5 Funding Source: ADS 3800 or 3510

Planned Funding Amount: $26K

Contact: Bruce Ford Reference: DOE-RL-95-7.3 and BHI Chron #041489

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	9	Water	2(A)				9(B)							
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA
(B) = Total U

✦These samples represent___ sampling events. The frequency of these events is _____.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: ERDF Funding Source: ADS3700

Planned Funding Amount: $10.2K

Contact: F. Roeck (B. H. Ford) Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	8	Water								8	8		8	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	8	Water	8(A)			8(B)	8(C)		8(D)					
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments:

(A) = VOA

(B) = ICP Metals plus GFAA Metals for Arsenic and Selenium

(C) = Gross Alpha, Gross Beta, I 129, Total Radium, C 14, Tc 99, and Total U.

(D) = TDS, Anions (Cl, Fl, SO4), Alkalinity, NO2/NO3, TOX

✦These samples represent 2 sampling events. The frequency of these events is semianually.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: ERDF Funding Source: Waste Management (WMFS)

Planned Funding Amount: $39.4 K

Contact: Mike Casbon Reference:

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis														
Quick Turnaround Laboratory														
Low Level Protocol Lab	130	Air					130							3 sites X 26, biweekly and 1site X 52, weekly samples for Gross Alpha and Gross Beta.
	8	Air					8							2 sites X 4, quarterly for GEA, Sr90, U, Pu, and Am
	6	Water	6(A)			6	6		6(B)	6				1 sample per 200,000 gallons of leachate
	1	Soil					1							1 sample yearly
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA

(B) = Total Dissolved Solids, Total Suspended Solids, Anions, ammonia, Total Organic Carbon

All air sampling is now being done through Fluor Daniel for BHI

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2002 Project: Horn Rapids Funding Source: ADS 3800 or 3510

Planned Funding Amount: $26K

Contact: Bruce Ford Reference: DOE-RL-95-7.3 and BHI Chron #041489

	# of Samples✦	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond	Geo-Tech.	Other	
Field Analysis	12	Water								12	12		12	The other analyses are for turbidity and temperature.
Quick Turnaround Laboratory														
Low Level Protocol Lab	12	Water	10(A)			2(B)								
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: (A) = VOA
(B) = Total Cr

✦These samples represent 5 sampling events. The frequency of these events is yearly.

SAMPLE PROJECTIONS WORKSHEET

HNF-SD-WM-TI-608 Rev. 6

Year: FY2000 Project: 100F Funding Source: 3100

Planned Funding Amount: $ 40K

Contact: Jon Fancher Reference: Remedial Action

	# of Samples+	Matrix	ANALYSIS											Comments
			ORGANIC			Metals	Rad Chem	Coliform, BOD	Wet Chem	Physical				
			VOA/ Semi-VOA	Pest/ PCB	Other					pH	Cond.	Geo-Tech.	Other	
Field Analysis	400(A)	Soil					400							GEA
Quick Turnaround Laboratory	400(B)	Soil				100	400							GEA, GEA add-on, ICP Metals, Cr +6, Mercury, Am-241, Plutonium, Uranium, and Strontium.
Low Level Protocol Lab	85(B)	Soil				21	85							GEA, GEA add-on, ICP Metals, Cr+6, Mercury, Am-241, Plutonium, Uranium, and Strontium.
222-S/ PNNL														
Industrial Hygiene														
Other (PC, TRU)														

Additional Comments: NOTE: Analytes have not been determined, these are preliminary.

(A) = Ship to 100N RCF

(B) = Assume all require Radiochemistry and 25% require Metals analysis.

APPENDIX II

TANK WASTE REMEDIATION SYSTEM PROGRAM INPUTS

B-1-27

FY 1998 AEU Schedule

5.? Draft

Analysis per sample

▨ Complete | ▨ In Progress | ▨ Remove from Schedule??

Sampling Code	Sampling Retrieval Code	Analytical Retrieval Code	Program Lead	Tank	Sample Mode	Cores samples	Seg/ core	Total Segs	Applied DQO	Prim. Lab.	AEU (SS)	AEU (Other)	TOTA AEU	Planned TWRS Sample Date Analytical Start		Program Sub	Rqmt ID Complete	Rqmt Complete	Number of
RSAC-4				AY-101	Rotary	[illegible]	8	16	SS	222-S	[illegible]	[illegible]	0.86	26-Jun-97		RSAC-4	23-Dec-97	Dec-97	16
PS15-4				T-107	Push	2	2	4	SS	222-S	0.24	0.00	0.24	07-Jul-97		PS15-4	07-Jul-97	Jul-97	4
RSAD-4				AP-105	Rotary	2	3	6	SS	222-S	0.36	0.00	0.36	15-Jul-97		RSAD-4	11-Jan-98	Jan-98	6
PS55-4				SY-102	Push	2	2	4	SS	222-S	0.24	0.00	0.24	28-Jul-97		PS55-4	28-Jul-97	Jul-97	4
GS68-4				AX-101	Grab	1	[illegible]	[illegible]	C	222-S	0.07	0.11	0.18	31-Jul-97		GS68-4	29-Oct-97	Oct-97	0
RS52-4				AX-103	Rotary	2	3	6	SS	222-S	0.36	0.00	0.36	12-Aug-97		RS52-4	08-Feb-98	Feb-98	6
GSGK-4				AP-103	Grab	1	[illegible]	[illegible]	C	222-S	0.07	0.11	0.18	18-Aug-97		GSGK-4	16-Nov-97	Nov-97	0
GSXA-4				AP-106	Grab	[illegible]	[illegible]	[illegible]	C, Evaporator	222-S	0.07	0.11	0.18	25-Aug-97		GSXA-4	25-Aug-97	Aug-97	5
GSHS-4			Blaak	AP-107	Grab	1	3	3	Evaporator	222-S	0.07	0.11	0.18	11-Sep-97		GSHS-4	11-Sep-97	Sep-97	3
PS44-4				U-107	Push	2	3	6	SS, His	222-S	0.36	0.01	0.37	16-Sep-97		PS44-4	16-Sep-97	Sep-97	6
PS39-4				U-112	Push	1	2	2	SS, C	222-S			0.11	23-Sep-97		PS39-4	23-Sep-97	Sep-97	2
VST6-4			Vapor	TX-102	Vapor	1	4	4		SAS				02-Oct-97	Completed AS 20OCT97 AF 20OCT97	VST6-4	02-Oct-97	Oct-97	4
GSHT-4			Blaak	AP-104	Grab	1	3	3	Caustic Addn		0.07	0.5	0.57	03-Oct-97		GSHT-4	01-Jan-98	Jan-98	3
GSHU-4			Blaak	AP-108	Grab	1	3	3	Compatability					10-Oct-97	Completed AS 10OCT97 AF 10OCT97	GSHU-4	10-Oct-97	Oct-97	3
VSP4-4			Vapor	TX-103	Vapor	1	4	4		SAS				16-Oct-97	Completed AS 24OCT97 AF 24OCT97	VSP4-4	16-Oct-97	Oct-97	4
GSDA-4			Meacham	C-201	Grab	1	2	2	SS	222-S	0.12	0.00	0.12	17-Oct-97	Requires 175 Grams Of Waste (Obtained 195.34 g)	GSDA-4	17-Oct-97	Oct-97	2
RS96-4				C-202	Rotary	1	1	1	SS	222-S	0.06	0.00	0.06	21-Oct-97	Completed AS 20OCT97 AF 22OCT97	RS96-4	19-Apr-98	Apr-98	1
VS88-4	Oct		Vapor	SHMS	Vapor	6	1	5		PNNL				21-Oct-97	Tanks AN-103, 104, 105, AW-101, AY-102,	VS88-4	21-Oct-97	Oct-97	5
VSP3-4			Vapor	TX-101	Vapor	1	4	4		SAS				23-Oct-97	Completed AS 28OCT97 AF 28OCT97	VSP3-4	23-Oct-97	Oct-97	4
VSP7-4			Vapor	TX-115	Vapor	1	4	4		SAS				30-Oct-97	Completed AS 20NOV97 AF 20NOV97	VSP7-4	30-Oct-97	Oct-97	4
PS28-4				SX-106	Push	1	11	11	SS, His	222-S	0.66	0.02	0.68	31-Oct-97	RGS Secondary Waste Type 1A	PS28-4	31-Oct-97	Oct-97	11
VSY7-4			Vapor Samp	T-101	Vapor	1	4	4		SAS				19-Nov-97	Completed AS 1DEC97 AF 1DEC97	VSY7-4	19-Nov-97	Nov-97	4
VS90-4	Nov		Vapor	SHMS	Grab					PNNL				21-Nov-97	Tanks AN-103, 104, 105, AW-101, AY-102, BY-	VS90-4	21-Nov-97	Nov-97	0
ASGS-4			HTI	AX-104	Auger	4	1	4	SS	222-S	0.40	0.00	0.40	26-Nov-97	Completed AS 17NOV97 AF 25NOV97	ASGS-4	26-Nov-97	Nov-97	4
PS53-4				SX-106	Push	1	11	11		222-S				26-Nov-97	RGS Secondary Waste Type 1A	PS53-4	25-May-98	May-98	11
VST9-4			Vapor	TX-108	Vapor	1	4	4		SAS				26-Nov-97	Completed AS 6DEC97 AF 6DEC97	VST9-4	26-Nov-97	Nov-97	4
GSX2-4				C-202	Grab	1	3	3		222-S				05-Dec-97	Completed AS 22DEC97 AF 22DEC97	GSX2-4	03-Jun-98	Jun-98	3
VSU4-4			Vapor	TX-112	Vapor	1	4	4		SAS				05-Dec-97	Completed AS 9DEC97 AF 9DEC97	VSU4-4	05-Dec-97	Dec-97	4
GSGU-4			Doeler	TX-302-C	Grab	1	3	3	Compatability	222-S				12-Dec-97	Completed AS 19DEC97 AF 19DEC97	GSGU-4	12-Dec-97	Dec-97	3
VSP9-4			Vapor	TX-117	Vapor	1	4	4		SAS				12-Dec-97	Completed AS 11DEC97 AF 11DEC97	VSP9-4	12-Dec-97	Dec-97	4
RS45-4			High Priority	SX-101	Rotary	1	9	9		222-S				16-Dec-97		RS45-4	14-Jun-98	Jun-98	9
GSHY-4			Blaak	AY-102	Grab	1	4	4	C?	222-S				19-Dec-97	Estimated	GSHY-4	19-Mar-98	Mar-98	4
VS91-4	Dec		Vapor	SHMS	Vapor	5	1	5		PNNL				19-Dec-97	Tanks AN-103, 104, 105, AW-101, AY-102	VS91-4	19-Dec-97	Dec-97	5
VSP0-4			Vapor	U-102	Vapor	1	4	4		SAS				19-Dec-97	Completed AS 18DEC97 AF 18DEC97	VSP0-4	19-Dec-97	Dec-97	4
																			152
GSHV-4			Sutey	U-301-B	Grab	1	3	3	Compatability	222-S				07-Jan-98		GSHV-4	07-Jan-98	Jan-98	3
PS04-4			High Priorit	AX-101	Push	2	15	30		222-S				09-Jan-98	New to Schedule	PS04-4	09-Jan-98	Jan-98	30
GSHW-4			Sutey	S-302	Grab	1	3	3	Compatability	222-S				14-Jan-98		GSHW-4	14-Jan-98	Jan-98	3
GSDF-4	After 97-2		Blaak	AW-106	Grab	1	3	3	Compatability	222-S				21-Jan-98		GSDF-4	21-Jan-98	Jan-98	3
RSAY-4			High Priority -	SX-101	Rotary	1	9	9	SS, His	222-S	0.54	0.02	0.56	21-Jan-98		RSAY-4	20-Jul-98	Jul-98	9
VS92-4	Jan		Vapor	SHMS	Vapor	5	1	5		PNNL				23-Jan-98	Tanks AN-103, 104, AY-102, S-111, 112, SY-1	VS92-4	23-Jan-98	Jan-98	5
GSGV-4	After 97-2		Blaak	AW-102	Grab	1	3	3	Compatability	222-S				28-Jan-98		GSGV-4	28-Jan-98	Jan-98	3
VS86-4			Andersen	AX-101	Vapor Tracer Gas					PNNL				28-Jan-98		VS86-4	28-Jan-98	Jan-98	0
Dissolution	12-20-			AN-102	Archive	1	1	1	Dissolution Test	222-S				01-Feb-98	Analysis Only - Does not include Development	Dissolution	01-Feb-98	Feb-98	1
GSFB-4	12L20A		Privitization	AN-102	Grab	1	5	5	LAW	222-S				04-Feb-98		GSFB-4	03-Aug-98	Aug-98	5
PS10-4				S-102	Push	1	11	11	SS, His, RGS	222-S	0.66	0.14	0.80	10-Feb-98	RGS One Previously Unsampled Riser	PS10-4	10-Feb-98	Feb-98	11
GSDD-4			Blaak	AY-101	Grab	1	3	3	Caustic Verification	222-S				11-Feb-98		GSDD-4	12-May-98	May-98	3
VS85-4			Andersen	U-103	Vapor Tracer Gas					PNNL				11-Feb-98	Tracer Gas Injected 17NOV97	VS85-4	11-Feb-98	Feb-98	0

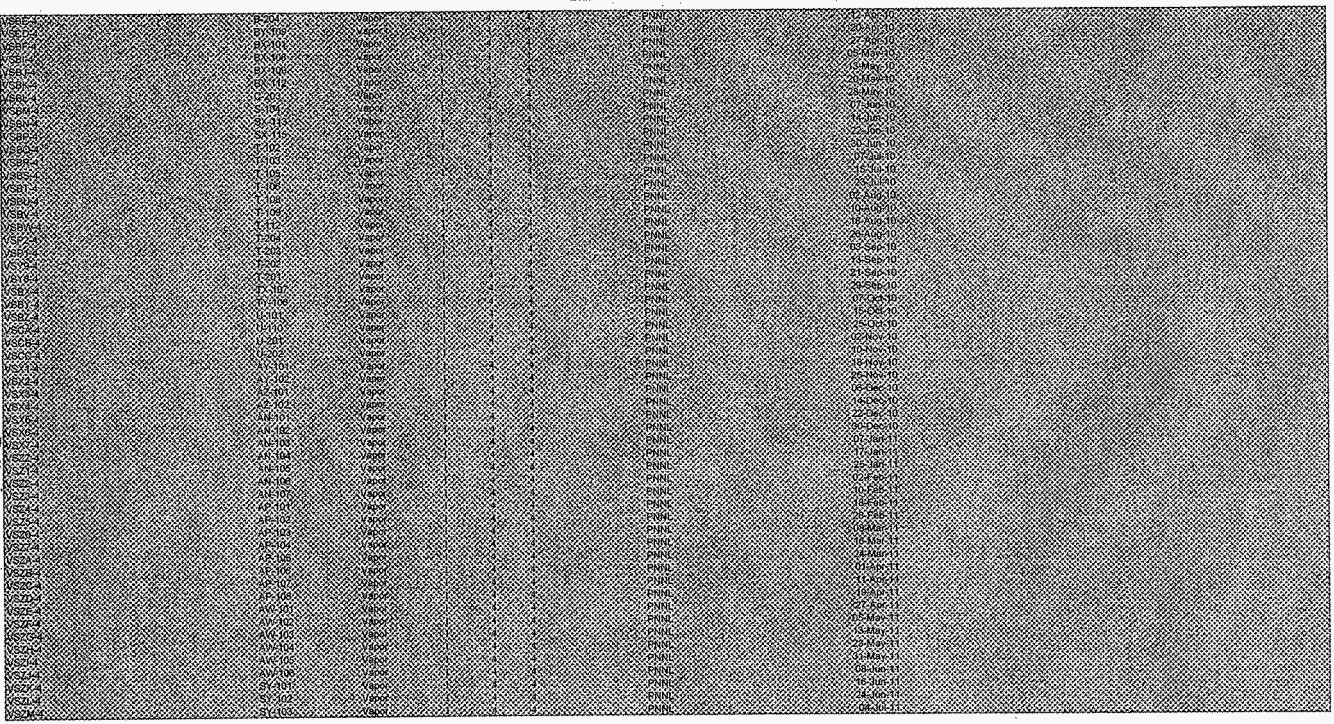
GSHZ-4		Docker	SY-102	Grab	1	3	3	Compatability	222-S	0.07	0.11	0.18	18-Feb-98		GSHZ-4	18-Feb-98	Feb-98	3
AS12-4			TX-104	Auger	2	2	4	SS	222-S	0.24	0.00	0.24	20-Feb-98	Supports Organic Nitrate USQ Resolution	AS12-4	20-Feb-98	Feb-98	4
VSG2-4	Ally		Vapor	SHMS	Vapor				PNNL				25-Feb-98	Tanks TBD	VSG2-4	25-Feb-98	Feb-98	0
GSDM-4		Blaak	AW-105	Grab	1	3	3	C	222-S	0.07	0.11	0.18	26-Feb-98	Estimated?	GSDM-4	27-May-98	May-98	3
GSGJ-4	Privitization-LL	Wiemers	SY-103	Grab	1	5	5		222-S				05-Mar-98	Estimated?	GSGJ-4	01-Sep-98	Sep-98	5
PS51-4			S-111	Push	1	11	11		222-S				11-Mar-98	RGS One Previously Unsampled Riser	PS51-4	11-Mar-98	Mar-98	11
GSXD-4		Blaak	AP-103	Grab	1	3	3	C?	222-S				12-Mar-98	Estimated?	GSXD-4	10-Jun-98	Jun-98	3
RS44-4	High Priority		SX-103	Rotary	2	13	26		222-S				16-Mar-98	Requires SX Farm Ventilation Adjustment	RS44-4	12-Sep-98	Sep-98	26
RS11-4			SX-104	Rotary	2	12	24	High Priority	222-S				18-Mar-98		RS11-4	14-Sep-98	Sep-98	24
VSG3-4	Ally(2)		Vapor	SHMS	Vapor				PNNL				20-Mar-98	Tanks TBD	VSG3-4	20-Mar-98	Mar-98	0
VSG4-4			Anderson	U-105	Vapor Tracer Gas				PNNL				21-Mar-98		VSG4-4	21-Mar-98	Mar-98	0
VSG1-4			Anderson	U-111	Vapor Tracer Gas				PNNL				30-Mar-98		VSG1-4	30-Mar-98	Mar-98	0
VSG5-4			Anderson	U-102	Vapor Tracer Gas				PNNL				30-Mar-98		VSG5-4	30-Mar-98	Mar-98	0
PS52-4			U-109	Push	1	10	10		222-S				08-Apr-98	RGS One Previously Unsampled Riser	PS52-4	08-Apr-98	Apr-98	10
RSAV-4		Bogen	Z-361	Rotary	2	6	12	High Alpha	222-S				16-Apr-98		RSAV-4	16-Apr-98	Apr-98	12
VSS1-4		Bogen	Z-361	Vapor Sample					PNNL				16-Apr-98		VSS1-4	16-Apr-98	Apr-98	0
VSS2-4		Anderson	C-105	Vapor Tracer Gas					PNNL				16-Apr-98		VSS2-4	16-Apr-98	Apr-98	0
RSAK-4	16F05E 16F05F?	HLW	AZ-102	Rotary	2	17	34		222-S				17-Apr-98	Minor Modifications Including Temporary	RSAK-4	01-May-98	May-98	34
VSS3-4	Ally(3)	Vapor	SHMS	Vapor					PNNL				21-Apr-98	Tanks TBD	VSS3-4	21-Apr-98	Apr-98	0
VSS7-4		Anderson	TBD	Vapor Tracer Gas					PNNL				22-Apr-98		VSS7-4	22-Apr-98	Apr-98	0
CP02-4		HTI	Cone Penetrometer Cold Test		1	1	1		222-S				24-Apr-98		CP02-4	24-Apr-98	Apr-98	1
GS36-4	Privitization	Gasper	Tank TBD	Grab	1	5	5		222-S				07-May-98	5 L of Envelope A For Privatization	GS36-4	03-Nov-98	Nov-98	5
LD05-4		HTI	AX-104	Sludge	4	1	4	Light Duty Utility Ar	222-S				14-May-98		LD05-4	14-May-98	May-98	4
GS65-4	Privitization	Gasper	Tank TBD	Grab	1	5	5		222-S				21-May-98	5 L of Envelope B For Privatization	GS65-4	17-Nov-98	Nov-98	5
VSG6-4	Ally	Vapor	SHMS	Vapor					PNNL				21-May-98	Tanks TBD	VSG6-4	21-May-98	May-98	0
RS91-4	High Priority		S-110	Rotary	2	8	16	High Priority	222-S				22-May-98	Requires Rotary Exhauster C Available	RS91-4	18-Nov-98	Nov-98	16
Dissolution	12-20-		AN-104	Archive	1	1	1	Dissolution Test	222-S				25-May-98	Analysis Only - Does not include Development	Dissolution	25-May-98	May-98	1
GSXB-4	Privitization	Gasper	Tank TBD	Grab	1	5	5		222-S				05-Jun-98	5 L of Envelope C For Privatization	GSXB-4	02-Dec-98	Dec-98	5
VSG8-4	Ally	Vapor	SHMS	Vapor					PNNL				22-Jun-98	Tanks TBD	VSG8-4	22-Jun-98	Jun-98	0
GSFM-4			AP-106	Grab	1	3	3	C?	222-S				24-Jun-98	Estimated?	GSFM-4	22-Sep-98	Sep-98	3
RS36-4	High Priority		U-107	Rotary	2	9	18	SS, O	222-S	1.08	0.04	1.12	26-Jun-98	Requires Rotary Exhauster B Available	RS36-4	23-Dec-98	Dec-98	18
Dissolution	12-20-		AW-101	Archive	1	1	1	Dissolution Test	222-S				01-Jul-98	Analysis Only - Does not include Development	Dissolution	01-Jul-98	Jul-98	1
GS72-4		Blaak	AP-104	Grab	1	3	3	C?	222-S				01-Jul-98	Estimated?	GS72-4	29-Sep-98	Sep-98	3
RS41-4		High Priority	BY-105	Rotary	2	9	18	SS, His, O	222-S	1.08	0.07	1.15	09-Jul-98		RS41-4	05-Jan-99	Jan-99	18
VSG9-4	Ally	Vapor	SHMS	Vapor					PNNL				15-Jul-98	Tanks TBD	VSG9-4	15-Jul-98	Jul-98	0
Archive	12D25D	LAW	AN-105	Archive					222-S				24-Jul-98		Archive	20-Jan-99	Jan-99	0
Archive	12E20D	LAW	AN-104	Archive					222-S				24-Jul-98		Archive	20-Jan-99	Jan-99	0
Archive	12G20D	LAW	AW-101	Archive					222-S				24-Jul-98		Archive	20-Jan-99	Jan-99	0
Archive	12I20D	LAW	AN-103	Archive					222-S				24-Jul-98		Archive	20-Jan-99	Jan-99	0
GS28-4		Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				03-Aug-98	Pre-Sluicing/After Caustic Addition	GS28-4	31-Aug-98	Aug-98	3
	11047M	HLW	AZ-101	Grab	3				222-S				04-Aug-98		?	04-Aug-98	Aug-98	0
GS38-4		Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				04-Aug-98	Post Batch #1.1.1 (W-320)	GS38-4	01-Sep-98	Sep-98	3
RS24-4	High Priority		TX-118	Rotary	2	6	12	SS, His, O	222-S	0.72	0.05	0.77	05-Aug-98	Requires Dome Load Resolution	RS24-4	01-Feb-99	Feb-99	12
GS59-4		Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				06-Aug-98	Post Batch #1.1.1 (W-320)	GS59-4	03-Sep-98	Sep-98	3
GSGT-4	12D25D	HLW	AZ-101	Grab	1	5	5		222-S				06-Aug-98	After Mixer Pump Run	GSGT-4	02-Feb-99	Feb-99	5
GSDI-4		Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				11-Aug-98	Post Batch #1.1.2 (W-320)	GSDI-4	08-Sep-98	Sep-98	3
GSDG-4		Pritivization	Tank TBD	Grab	1	5	5		222-S				13-Aug-98		GSDG-4	09-Feb-99	Feb-99	5
GSGY-4		Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				18-Aug-98	Post Batch #1.1.3 (W-320)	GSGY-4	15-Sep-98	Sep-98	3
Dissolution	12-20-		AN-103	Archive	1	1	1	Dissolution Test	222-S				20-Aug-98	Analysis Only - Does not include Development	Dissolution	20-Aug-98	Aug-98	1
GSGX-4		Blaak	AP-107	Grab	1	3	3	C?	222-S				20-Aug-98	Estimated?	GSGX-4	18-Nov-98	Nov-98	3
VSG7-4	Ally	Vapor	SHMS	Vapor					PNNL				22-Aug-98	Tanks TBD	VSG7-4	22-Aug-98	Aug-98	0
GSX1-4		Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				22-Aug-98	Post Batch #1.2.1 (W-320)	GSX1-4	19-Sep-98	Sep-98	3
CP01-4		HTI	AX-104	Cone Penetro	1	1	1	Outside Tank	222-S				25-Aug-98		CP01-4	25-Aug-98	Aug-98	1
GSGZ-4		Pritivization	Tank TBD	Grab	1	5	5	Priv.	222-S	0.00	1.00	1.00	27-Aug-98		GSGZ-4	23-Feb-99	Feb-99	5
GSFA-4		Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				28-Aug-98	Post Batch #1.2.2 (W-320)	GSFA-4	25-Sep-98	Sep-98	3
GS82-4			TBD - Salt Wells	Grab	1	3	3	C?	222-S				03-Sep-98	Estimated?	GS82-4	02-Dec-98	Dec-98	3
GSHX-4		Bogen	Z-361	Grab	1	3	3		222-S				03-Sep-98		GSHX-4	03-Sep-98	Sep-98	3
RS29-4		High Priority	BY-103	Rotary	2	9	18	SS, His, O	222-S	1.08	0.07	1.15	10-Sep-98		RS29-4	09-Mar-99	Mar-99	18
GSHB-4		Pritivization	Tank TBD	Grab	1	5	5	Priv.	222-S	0.00	1.00	1.00	11-Sep-98		GSHB-4	10-Mar-99	Mar-99	5
GSXC-4		Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				13-Sep-98	Post Batch #1.2.3 (W-320)	GSXC-4	11-Oct-98	Oct-98	3

GSFD-4			Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				18-Sep-98	Post Batch #2.1.1 (W-320)	GSFD-4	16-Oct-98	Oct-98	3
GSDK-4			Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				25-Sep-98	Post Batch #2.1.2 (W-320)	GSDK-4	23-Oct-98	Oct-98	3
GSFH-4			Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				30-Sep-98	Post Batch #2.2.1	GSFH-4	28-Oct-98	Oct-98	3
RS73-4			High Priority	TX-111	Rotary	2	8	16	SS	222-S	0.96	0.00	0.96	01-Oct-98		RS73-4	30-Mar-99	Mar-99	16
GSGB-4			Blaak	SY-102	Grab	1	3	3	99-2 Compatibility	222-S				05-Oct-98		GSGB-4	05-Oct-98	Oct-98	3
GS73-4			Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				16-Oct-98	Post Batch #2.2.2 (W-320)	GS73-4	13-Nov-98	Nov-98	3
GSHF-4			Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				21-Oct-98	Post Batch #3.1.1 (w-320)	GSHF-4	18-Nov-98	Nov-98	3
GSX3-4				AP-106	Grab	1	3	3	99-2 Compatibility	222-S				22-Oct-98		GSX3-4	22-Oct-98	Oct-98	3
GSHJ-4			Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				28-Oct-98	Post Batch #3.1.2 (W-320)	GSHJ-4	25-Nov-98	Nov-98	3
GSHL-4			Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				02-Nov-98	Post Batch #3.2.1 (W-320)	GSHL-4	30-Nov-98	Nov-98	3
PS35-4				A-103	Push	2	8	16		222-S				04-Nov-98	RGS Secondary Waste Type 1B	PS35-4	04-Nov-98	Nov-98	16
GSHN-4			Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				07-Nov-98	Post Batch #3.2.2 (W-320)	GSHN-4	05-Dec-98	Dec-98	3
GSGC-4			Blaak	AW-104	Grab	1	3	3	99-2 Compatability	222-S				10-Nov-98		GSGC-4	10-Nov-98	Nov-98	3
RS75-4				TX-113	Rotary	2	11	22	SS	222-S	1.32	0.00	1.32	11-Nov-98		RS75-4	10-May-99	May-99	22
GS97-4	1676??		Certa	AZ-101	Grab	1	3	3		222-S				13-Nov-98	Estimated	GS97-4	09-Feb-99	Feb-99	3
GSHQ-4			Retreival	AY-102 (C-106)	Grab	1	3	3		222-S				24-Nov-98	Post Batch #3.2.3 (W-320)	GSHQ-4	22-Dec-98	Dec-98	3
Dissolution	12-20-			AN-107	Archive	1	1	1	Dissolution Test	222-S				03-Dec-98	Analysis Only - Does not include Development	Dissolution	03-Dec-98	Dec-98	1
GSAW-4	12K20A		Privitization	AN-107	Grab	1	5	5	LAW	222-S				03-Dec-98		GSAW-4	01-Jun-99	Jun-99	5
GSX4-4			Blaak	AN-101	Grab	1	3	3	99-3 Compatability	222-S				08-Dec-98		GSX4-4	08-Dec-98	Dec-98	3
PS54-4	12R20A		Retreival	SY-101	Push	1	22	22	LAW	222-S				14-Dec-98		PS54-4	12-Jun-99	Jun-99	22
GSHD-4				AP-107	Grab	2	3	6	Campaign 99-2	222-S				22-Dec-98	Evaporator?	GSHD-4	22-Dec-98	Dec-98	6
Totals 1998																			551
RS95-4	16J05E	16J05F?		C-104	Rotary	2	5	10	HL	222-S				06-Jan-99		RS95-4	20-Jan-99	Jan-99	10
RS33-4				SX-102	Rotary	2	11	22		222-S				07-Jan-99		RS33-4	06-Jul-99	Jul-99	22
Dissolution	12-20-			AN-106	Archive	1	1	1	Dissolution Test	222-S				03-Feb-99	Analysis Only - Does not include Development	Dissolution	03-Feb-99	Feb-99	1
GSAX-4	12M20A		Retreival	AN-106	Grab	1	5	5	LAW	222-S				03-Feb-99		GSAX-4	02-Aug-99	Aug-99	5
GSXE-4				AP-103	Grab	2	3	6	Campaign 99-3	222-S				17-Feb-99		GSXE-4	17-Feb-99	Feb-99	6
PS29-4				S-103	Push	2	6	12		222-S				18-Feb-99	RGS Tertiary Waste Type 1A	PS29-4	18-Feb-99	Feb-99	12
GSGL-4			Blaak	SY-102	Grab	1	3	3	00-1 Compatibility	222-S				04-Mar-99		GSGL-4	04-Mar-99	Mar-99	3
GSXF-4			Blaak	AW-104	Grab	1	3	3	Compatability 00-1	222-S				18-Mar-99		GSXF-4	18-Mar-99	Mar-99	3
RS42-4				SX-105	Rotary	2	13	26		222-S				25-Mar-99		RS42-4	21-Sep-99	Sep-99	26
PS23-4	12T20A			SY-103	Push	1	15	15	LAW	222-S				26-Mar-99	Requires USQ Review for Group 1 Tank - Com	PS23-4	22-Sep-99	Sep-99	15
GSXG-4			Blaak	AP-106	Grab	1	3	3	00-1 Compatibility	222-S				01-Apr-99		GSXG-4	01-Apr-99	Apr-99	3
GSGM-4			Blaak	SY-102	Grab	1	3	3	00-1 Compatibility	222-S				06-Apr-99		GSGM-4	06-Apr-99	Apr-99	3
GSGP-4			Lc	AP-104	Grab	2	3	6	Campaign 00-1	222-S				20-Apr-99	Evaporator?	GSGP-4	20-Apr-99	Apr-99	6
GSGR-4			Lc	AP-107	Grab	2	3	6	Campaign 00-1	222-S				04-May-99	Evaporator?	GSGR-4	04-May-99	May-99	6
RS71-4				TX-110	Rotary	2	10	20	SS	222-S	1.20	0.00	1.20	04-Jun-99		RS71-4	01-Dec-99	Dec-99	20
AS39-4				SX-115	Auger	2	1	2		222-S				07-Jun-99		AS39-4	04-Dec-99	Dec-99	2
RS32-4				TX-105	Rotary	2	12	24		222-S				06-Aug-99		RS32-4	02-Feb-00	Feb-00	24
AS48-4				B-102	Auger	2	1	2		222-S				04-Oct-99		AS48-4	01-Apr-00	Apr-00	2
RS12-4				SX-109	Rotary	2	5	10		222-S				05-Oct-99		RS12-4	02-Apr-00	Apr-00	10
GSGN-4			Blaak	SY-102	Grab	1	3	3	00-2 Compatibility	222-S				20-Oct-99		GSGN-4	20-Oct-99	Oct-99	3
RSAJ-4				U-102	Rotary	2	3	6	6-8 only	222-S				22-Oct-99		RSAJ-4	19-Apr-00	Apr-00	6
GSAY-4	12V10A			AP-101	Grab	1	5	5	LAW	222-S				03-Nov-99		GSAY-4	01-May-00	May-00	5
GSBC-4	12W10A			AW-104	Grab	1	5	5	LAW	222-S				03-Nov-99		GSBC-4	01-May-00	May-00	5
PS43-4	16H05E			AY-102	Rotary	2	18	36	HLW	222-S				04-Nov-99		PS43-4	18-Nov-99	Nov-99	36
RS16-4				SX-114	Rotary	2	4	8		222-S				30-Nov-99		RS16-4	28-May-00	May-00	8
PS36-4				S-112	Push	2	11	22		222-S				06-Dec-99	RGS Secondary Waste Type 2A	PS36-4	06-Dec-99	Dec-99	22
Totals 1999																			264
PS37-4				U-111	Push	2	7	14		222-S				13-Jan-00	RGS Tertiary Waste Type 1A	PS37-4	13-Jan-00	Jan-00	14
RS78-4				TX-116	Rotary	2	12	24		222-S				10-Feb-00		RS78-4	08-Aug-00	Aug-00	24
GSGQ-4			Lc	AP-104	Grab	2	3	6	Campaign 00-2	222-S				03-Mar-00	Evaporator?	GSGQ-4	03-Mar-00	Mar-00	6
AS35-4				AX-102	Auger	2	1	2		222-S				07-Mar-00		AS35-4	03-Sep-00	Sep-00	2
RS53-4				A-106	Rotary	2	2	4		222-S				17-Mar-00	Additional Analysis Required Prior To Rotary D	RS53-4	13-Sep-00	Sep-00	4
RS77-4				TX-115	Rotary	2	11	22		222-S				02-May-00		RS77-4	29-Oct-00	Oct-00	22
RS87-4				C-102	Rotary	2	8	16		222-S				02-Jun-00		RS87-4	29-Nov-00	Nov-00	16
RS68-4				TX-106	Rotary	2	8	16		222-S				20-Jul-00		RS68-4	16-Jan-01	Jan-01	16
RS13-4				SX-110	Rotary	2	2	4		222-S				18-Oct-00		RS13-4	16-Apr-01	Apr-01	4

PS45-4			T-109	Push	2	2	4		222-S	17-Nov-00		PS45-4	17-Nov-00	Nov-00	4
GSEX-4	I6A52C	I6A52F	AZ-101	Grab	1	5	5	HL	222-S	23-Nov-00	In Tank Washing	GSEX-4	07-Dec-00	Dec-00	5
RS66-4			TX-102	Rotary	1	3	3		222-S	29-Nov-00		RS66-4	28-May-01	May-01	3
Totals 2000															120
RS10-4			SX-107	Rotary	2	2	4		222-S	12-Jan-01		RS10-4	11-Jul-01	Jul-01	4
PS46-4			T-103	Push	2	1	2		222-S	24-Jan-01		PS46-4	24-Jan-01	Jan-01	2
GSES-4	I6A52H	I6A52H	AZ-101	Grab	1	5	5	HL	222-S	29-Jan-01	In Tank Washing	GSES-4	12-Feb-01	Feb-01	5
RS94-4			TY-105	Rotary	2	5	10		222-S	22-Feb-01		RS94-4	21-Aug-01	Aug-01	10
GSEV-4	16A52N	16A52K	AZ-101	Grab	1	5	5	HL	222-S	04-Apr-01	In Tank Washing	GSEV-4	18-Apr-01	Apr-01	5
RS14-4			SX-111	Rotary	2	3	6		222-S	09-May-01		RS14-4	05-Nov-01	Nov-01	6
GSEY-4	16A66D	16A66B	AZ-101	Grab	1	5	5	HL - Vendor Qualify	222-S	08-Jun-01	Feed Certification	GSEY-4	04-Sep-01	Sep-01	5
RS76-4			TX-114	Rotary	2	11	22		222-S	06-Jul-01		RS76-4	02-Jan-02	Jan-02	22
GSEZ-4	13B30F		AN-105	Grab	1	5	5	LL	222-S	09-Jul-01	Dilution Adjustment	GSEZ-4	23-Jul-01	Jul-01	5
RS15-4			SX-112	Rotary	2	2	4		222-S	26-Jul-01		RS15-4	22-Jan-02	Jan-02	4
GSAZ-4	15B42C1		AP-102	Grab	1	5	5	LL - Process Control	222-S	24-Aug-01	Feed Adjustment	GSAZ-4	07-Sep-01	Sep-01	5
GSCK-4	15B58C1		AP-104	Grab	1	5	5	LL - Process Control	222-S	01-Sep-01	Feed Adjustment	GSCK-4	15-Sep-01	Sep-01	5
RS84-4			TX-103	Rotary	2	3	6		222-S	21-Sep-01		RS84-4	20-Mar-02	Mar-02	6
GSBD-4	15B34A		AP-102	Grab	1	19	19	LL - Feed Qualificati	222-S	25-Sep-01	Doesnot include Environmental DQOs	GSBD-4	23-Oct-01	Oct-01	19
GSCM-4	15B50A		AP-104	Grab	1	19	19	LL - Feed Qualificati	222-S	03-Oct-01	Doesnot include Environmental DQOs	GSCM-4	31-Oct-01	Oct-01	19
RS46-4			SX-108	Rotary	2	2	4		222-S	26-Oct-01		RS46-4	24-Apr-02	Apr-02	4
Totals 2001															126
GSFN-4	12C10A		AY-101 Grab Sample (	Grab	1	5	5	LL	222-S	04-Jan-02		GSFN-4	03-Jul-02	Jul-02	5
GSEP-4	13E30F		AN-104 Grab Sample (	Grab	1	3	3	LL	222-S	18-Jan-02	Dilution Adjustment	GSEP-4	01-Feb-02	Feb-02	3
RS83-4			TX-101	Rotary	2	3	6		222-S	23-Jan-02		RS83-4	22-Jul-02	Jul-02	6
RSAE-4			BY-101	Rotary	2	8	16		222-S	23-Jan-02		RSAE-4	22-Jul-02	Jul-02	16
GSCN-4	15E30C1		AP-102 - (4AN)	Grab	1	5	5	LL - Process Control	222-S	05-Mar-02	Feed Adjustment	GSCN-4	19-Mar-02	Mar-02	5
GSEQ-4	15E65C1		AP-104 - (4AN)	Grab	1	3	3	LL - Process Control	222-S	13-Mar-02	Feed Adjustment	GSEQ-4	27-Mar-02	Mar-02	3
RS17-4			T-101	Rotary	2	2	4		222-S	27-Mar-02		RS17-4	23-Sep-02	Sep-02	4
RSQ2-4			C-106	Rotary	2	5	10		222-S	27-Mar-02		RSQ2-4	23-Sep-02	Sep-02	10
GSBH-4	15E10A		AP-102 - (4AN)	Grab	1	19	19	LL - Sample Qualific	222-S	08-Apr-02	Doesnot include Environmental DQOs	GSBH-4	06-May-02	May-02	19
GSCQ-4	15E45A		AP-104 - (4AN)	Grab	1	19	19	LL - Sample Qualific	222-S	15-Apr-02	Doesnot include Environmental DQOs	GSCQ-4	13-May-02	May-02	19
GSFP-4	16F65C		AZ-102	Grab	1	5	5	HL	222-S	14-May-02	In Tank Washing	GSFP-4	28-May-02	May-02	5
RS69-4			TX-108	Rotary	2	3	6		222-S	19-Jun-02		RS69-4	16-Dec-02	Dec-02	6
RSAH-4			BX-111	Rotary	2	4	8		222-S	09-Jul-02		RSAH-4	05-Jan-03	Jan-03	8
GSFQ-4	16F65H		AZ-102	Grab	1	5	5	HL	222-S	20-Jul-02	In Tank Washing	GSFQ-4	03-Aug-02	Aug-02	5
RS74-4			TX-112	Rotary	2	13	26		222-S	08-Aug-02		RS74-4	04-Feb-03	Feb-03	26
GSFR-4	16F65N		AZ-102	Grab	1	5	5	HL	222-S	23-Sep-02	In Tank Washing	GSFR-4	07-Oct-02	Oct-02	5
RS09-4			BX-102	Rotary	2	2	4		222-S	24-Sep-02		RS09-4	23-Mar-03	Mar-03	4
RS79-4			TX-117	Rotary	2	10	20		222-S	26-Sep-02		RS79-4	25-Mar-03	Mar-03	20
RS55-4			B-105	Rotary	2	3	6		222-S	28-Oct-02		RS55-4	26-Apr-03	Apr-03	6
RS21-4			TY-103	Rotary	2	4	8		222-S	20-Nov-02		RS21-4	19-May-03	May-03	8
GSFS-4	16F50D		AZ-102	Grab	1	5	5	HL - Vendor Qualific	222-S	02-Dec-02	Feed Certification	GSFS-4	28-Feb-03	Feb-03	5
Totals 2002															188
RS85-4			U-104	Rotary	2	2	4		222-S	04-Feb-03		RS85-4	03-Aug-03	Aug-03	4
RS72-4			TY-102	Rotary	2	2	4		222-S	18-Feb-03		RS72-4	17-Aug-03	Aug-03	4
GSER-4	13G30H		AW-101	Grab	1	3	3	LL	222-S	25-Mar-03	Dilution Adjustment	GSER-4	03-Apr-03	Apr-03	3
RS70-4			TX-109	Rotary	2	8	16		222-S	10-Apr-03		RS70-4	07-Oct-03	Oct-03	16
RS60-4			S-105	Rotary	2	9	18		222-S	17-Apr-03		RS60-4	14-Oct-03	Oct-03	18
GSBJ-4	15G30C1		AP-102 (1AW)	Grab	1	5	5	LL - Process Control	222-S	04-May-03	Feed Adjustment	GSBJ-4	18-May-03	May-03	5
GSCR-4	15G65C1		AP-104 (1AW)	Grab	1	5	5	LL - Process Control	222-S	14-May-03	Feed Adjustment	GSCR-4	28-May-03	May-03	5
RSAF-4			C-204	Rotary	2	1	2		222-S	23-May-03		RSAF-4	19-Nov-03	Nov-03	2
GSBL-4	15G10A		AP-102 (1AW)	Grab	1	19	19	LL - Qualification	222-S	09-Jun-03	Doesnot include Environmental DQOs	GSBL-4	07-Jul-03	Jul-03	19
GSCT-4	15G45A		AP-104 (1AW)	Grab	1	19	19	LL - Qualification	222-S	01-Jul-03	Doesnot include Environmental DQOs	GSCT-4	29-Jul-03	Jul-03	19
RSAG-4			C-101	Rotary	2	2	4		222-S	15-Jul-03		RSAG-4	11-Jan-04	Jan-04	4
RS63-4			S-108	Rotary	2	9	18		222-S	28-Jul-03		RS63-4	24-Jan-04	Jan-04	18
GSFU-4	16H27C		AY-102	Grab	1	5	5	HL	222-S	06-Aug-03	In Tank Washing	GSFU-4	20-Aug-03	Aug-03	5
RS22-4			TY-101	Rotary	2	3	6		222-S	29-Sep-03		RS22-4	27-Mar-04	Mar-04	6
GSFV-4	16H27H		AY-102	Grab	1	5	5	HL	222-S	12-Oct-03	In Tank Washing	GSFV-4	26-Oct-03	Oct-03	5
GSFT-4	13J30H		AN-103	Grab	1	5	5	HL	222-S	25-Oct-03	Dilution Adjustment	GSFT-4	08-Nov-03	Nov-03	5
RS92-4			U-101	Rotary	2	1	2		222-S	31-Oct-03		RS92-4	28-Apr-04	Apr-04	2
RS97-4			A-104	Rotary	2	1	2		222-S	03-Nov-03		RS97-4	01-May-04	May-04	2

GSBM-4	15J30C1		AP-102 (3AN)	Grab	1	5	5	LL - Process Control	222-S	04-Dec-03	Feed Adjustment	GSBM-4	18-Dec-03	Dec-03	5
GSCU-4	15J65C1		AP-104 (3AN)	Grab	1	5	5	LL - Process Control	222-S	14-Dec-03	Feed Adjustment	GSCU-4	28-Dec-03	Dec-03	5
GSFY-4	16H27N		AY-102	Grab	1	5	5	HL	222-S	19-Dec-03	In Tank Washing	GSFY-4	02-Jan-04	Jan-04	5
Totals 2003															157
GSBP-4	15J10A		AP-102 (3AN)	Grab	1	19	19	LL - Qualification	222-S	05-Jan-04	Doesnot include Environmental DQOs	GSBP-4	02-Feb-04	Feb-04	19
GSCW-4	15J45A		AP-104 (3AN)	Grab	1	19	19	LL - Qualification	222-S	20-Jan-04	Doesnot include Environmental DQOs	GSCW-4	17-Feb-04	Feb-04	19
RS98-4			A-105	Rotary	2	1	2		222-S	29-Jan-04		RS98-4	27-Jul-04	Jul-04	2
GSFW-4	16H50D		AY-102	Grab	1	5	5	HL - Vendor Qualific	222-S	24-Feb-04	Feed Certification	GSFW-4	22-May-04	May-04	5
GSBQ-4	15V30C1		AP-102 (1AP/4AW)	Grab	1	5	5	LL - Process Control	222-S	19-Jun-04	Feed Adjustment	GSBQ-4	03-Jul-04	Jul-04	5
GSCX-4	15V65C1		AP-104 (1AP/4AW)	Grab	1	5	5	LL - Process Control	222-S	19-Jun-04	Feed Adjustment	GSCX-4	03-Jul-04	Jul-04	5
GSBR-4	15V10A		AP-102 (1AP/4AW)	Grab	1	19	19	LL - Qualification	222-S	11-Aug-04	Doesnot include Environmental DQOs	GSBR-4	08-Sep-04	Sep-04	19
GSCZ-4	15V45A		AP-104 (1AP/4AW)	Grab	1	19	19	LL - Qualification	222-S	16-Aug-04	Doesnot include Environmental DQOs	GSCZ-4	13-Sep-04	Sep-04	19
Totals 2004															93
GSBS-4	15C65C1		AP-104 (1AY)	Grab	1	5	5	LL - Process Control	222-S	11-Apr-05	Feed Adjustment	GSBS-4	25-Apr-05	Apr-05	5
GSEM-4	15C30C1		AP-102 (1AY)	Grab	1	5	5	LL - Process Control	222-S	11-Apr-05	Feed Adjustment	GSEM-4	25-Apr-05	Apr-05	5
GSBT-4	15C10A		AP-102 (1AY)	Grab	1	19	19	LL - Qualification	222-S	23-May-05	Doesnot include Environmental DQOs	GSBT-4	20-Jun-05	Jun-05	19
GSDB-4	15C45A		AP-104 (1AY)	Grab	1	19	19	LL - Qualification	222-S	27-May-05	Doesnot include Environmental DQOs	GSDB-4	24-Jun-05	Jun-05	19
GSDZ-4	15K10A		AN-107	Grab	1	19	19	LL - Qualification	222-S	18-Jun-05	Doesnot include Environmental DQOs	GSDZ-4	16-Jul-05	Jul-05	19
GSFX-4	15K10A		AN-107	Grab	1	5	5	HL - Process Control	222-S	22-Jun-05	Feed Adjustment	GSFX-4	06-Jul-05	Jul-05	5
GSEW-4	16J65C		C-104	Grab	1	5	5	HL	222-S	03-Sep-05	In Tank Washing	GSEW-4	17-Sep-05	Sep-05	5
GSCJ-4	13P50B		SY-102	Grab	1	5	5	LL	222-S	03-Oct-05	Dilution Adjustment	GSCJ-4	17-Oct-05	Oct-05	5
GSBK-4	16J65H		C-104	Grab	1	5	5	HL	222-S	08-Nov-05	In Tank Washing	GSBK-4	22-Nov-05	Nov-05	5
GSEB-4	13P50E		SY-102	Grab	1	5	5	LL	222-S	02-Dec-05	Dilution Adjustment	GSEB-4	16-Dec-05	Dec-05	5
Totals 2005															92
GSBN-4	16J65N		C-104	Grab	1	5	5	HL	222-S	12-Jan-06	In Tank Washing	GSBN-4	26-Jan-06	Jan-06	5
Dissolution	12-20-		SY-101	Archive	1	1	1	Dissolution Test	222-S	14-Mar-06	Analysis Only - Does not include Development	Dissolution	14-Mar-06	Mar-06	1
GSBF-4	13R30F	Privatization	SY-101	Grab	1	5	5	LL	222-S	14-Mar-06	Dilution Adjustment	GSBF-4	28-Mar-06	Mar-06	5
GSBU-4	16J50D		C-104	Grab	1	5	5	HL - Qualification	222-S	15-Mar-06	Feed Certification	GSBU-4	11-Jun-06	Jun-06	5
GSBW-4	15L30C1		AP-102 (2AN)	Grab	1	5	5	LL - Process Control	222-S	17-Apr-06	Feed Adjustment	GSBW-4	01-May-06	May-06	5
GSBV-4	15L10A		AP-102 (2AN)	Grab	1	19	19	LL - Qualification	222-S	19-May-06	Doesnot include Environmental DQOs	GSBV-4	16-Jun-06	Jun-06	19
GSDE-4	15L65C1		AP-104 (2AN)	Grab	1	5	5	LL - Process Control	222-S	23-Jun-06	Feed Adjustment	GSDE-4	07-Jul-06	Jul-06	5
GSDN-4	15L45A		AP-104 (2AN)	Grab	1	19	19	LL - Qualification	222-S	26-Jul-06	Doesnot include Environmental DQOs	GSDN-4	23-Aug-06	Aug-06	19
GSCA-4	15M30C1		AP-102 (6AN)	Grab	1	5	5	LL - Process Control	222-S	11-Sep-06	Feed Adjustment	GSCA-4	25-Sep-06	Sep-06	5
GSBY-4	15M10A		AP-102 (6AN)	Grab	1	19	19	LL - Qualification	222-S	17-Oct-06	Doesnot include Environmental DQOs	GSBY-4	14-Nov-06	Nov-06	19
GSDP-4	15M65C1		AP-104 (6AN)	Grab	1	5	5	LL - Process Control	222-S	14-Nov-06	Feed Adjustment	GSDP-4	28-Nov-06	Nov-06	5
GSDS-4	15M45A		AP-104 (6AN)	Grab	1	19	19	LL - Qualification	222-S	27-Dec-06	Doesnot include Environmental DQOs	GSDS-4	24-Jan-07	Jan-07	19
Totals 2006															112
Dissolution	12-20-		SY-103	Archive	1	1	1	Dissolution Test	222-S	11-Mar-07	Analysis Only - Does not include Development	Dissolution	11-Mar-07	Mar-07	1
GSBG-4	13T30F	Privatization	SY-103	Grab	1	5	5	LL	222-S	11-Mar-07	Dilution Adjustment	GSBG-4	25-Mar-07	Mar-07	5
GSCE-4	15R30C1		AP-102 (1SY)	Grab	1	5	5	LL - Process Control	222-S	08-May-07	Feed Adjustment	GSCE-4	22-May-07	May-07	5
GSCD-4	15R10A		AP-102 (1SY)	Grab	1	19	19	LL - Qualification	222-S	18-Jun-07	Doesnot include Environmental DQOs	GSCD-4	16-Jul-07	Jul-07	19
GSDU-4	15R65C1		AP-104 (1SY)	Grab	1	5	5	LL - Process Control	222-S	13-Aug-07	Feed Adjustment	GSDU-4	27-Aug-07	Aug-07	5
GSDW-4	15R45A		AP-104 (1SY)	Grab	1	19	19	LL - Qualification	222-S	20-Aug-07	Doesnot include Environmental DQOs	SDW-4	17-Sep-07	Sep-07	19
GSCG-4	15T30C1		AP-102 (3SY)	Grab	1	5	5	LL	222-S	02-Dec-07	Feed Adjustment	GSCG-4	16-Dec-07	Dec-07	5
															59
GSBZ-4	15T10A		AP-102 (3SY)	Grab	1	19	19	LL - Qualification	222-S	11-Jan-08	Doesnot include Environmental DQOs	GSBZ-4	08-Feb-08	Feb-08	19
GSDX-4	15T65C1		AP-104 (3SY)	Grab	1	5	5	LL - Process Control	222-S	04-Feb-08	Feed Adjustment	GSDX-4	18-Feb-08	Feb-08	5
GSDT-4	15T45A		AP-104 (3SY)	Grab	1	19	19	LL - Qualification	222-S	17-Mar-08	Doesnot include Environmental DQOs	GSDT-4	14-Apr-08	Apr-08	19
															43

VSBC-4			A-104	Vapor	1	1	1		PNNL	31-Jan-10					
VSBL-4			B-105	Vapor	1	1	1		PNNL	01-Feb-10					
VSBA-4			B-101	Vapor	1	1	1		PNNL	01-Feb-10					
VSBS-4			B-104	Vapor	1	1	1		PNNL	02-Feb-10					
VSBK-4			B-109	Vapor	1	1	1		PNNL	03-Feb-10					
VSBZ-4			B-103	Vapor	1	1	1		PNNL	11-Feb-10					
VSBC-4			B-104	Vapor	1	1	1		PNNL	16-Feb-10					
VSBJ-4			B-110	Vapor	1	1	1		PNNL	01-Mar-10					
VSBA-4			B-111	Vapor	1	1	1		PNNL	08-Mar-10					
VSBB-4			B-112	Vapor	1	1	1		PNNL	17-Mar-10					
VSBC-4			B-211	Vapor	1	1	1		PNNL	5-Mar-10					
VSBD-4			B-203	Vapor	1	1	1		PNNL	02-Jan-10					



Sample	Sort	Radiation	Report	Notification Turnaround Days	Special QC	Sample	LabType	Extrude	Build	Ship to Another	VOA	PEST	WTPH OIL	FLASH	OTHER			DSC	WET	TIC		
Sludge			TWRS	180	TWRS	Archive	RCRA	LAB	1	1					1	3.3	3.3	6.6	1	2.8		
Sludge			TWRS		TWRS	Archive	RCRA	LAB	1						1	3	3	6		1.5		
Sludge			TWRS	180	TWRS	Archive	RCRA	LAB	1						1	3	3	6		1.5		
Sludge			TWRS		TWRS	Archive	RCRA	LAB	1						1	3	3	6	2	2		
Liquid			TWRS	90	TWRS	Archive	RCRA	LAB	1							1	1	2	1	1		
Sludge			TWRS	180	TWRS	Archive	RCRA	LAB	1						1	3	3	6	2	2		
Liquid			TWRS	90	TWRS	Archive	RCRA	LAB	1							1	1	2	1	1		
Liquid			TWRS		TWRS	Archive	RCRA	LAB			2				1	1	1	2	1	2.5	0.5	
Liquid			TWRS		TWRS	Archive	RCRA	LAB			2				1	1	1	2	2	2.5	0.5	
Sludge			TWRS		TWRS	Archive	RCRA	LAB	1						1	3	3	6		2		
Sludge			TWRS		TWRS	Archive	RCRA	LAB	1						1	3	3	6		2		
Vapor			TWRS		TWRS	Archive	RCRA	LAB														
Liquid			TWRS	90	TWRS	Archive	RCRA	LAB	1							1						
Liquid			TWRS		TWRS	Archive	RCRA	LAB							1	1	1	2	1	1	0.5	
Vapor			TWRS		TWRS	Archive	RCRA	LAB														
Liquid			TWRS		TWRS	Archive	RCRA	LAB	1	1							1	4			1	
Sludge			TWRS	180	TWRS	Archive	RCRA	LAB	1	1							1	4			1	
Vapor			TWRS		TWRS	Archive	RCRA	LAB														
Vapor			TWRS		TWRS	Archive	RCRA	LAB														
Vapor			TWRS		TWRS	Archive	RCRA	LAB														
Sludge			TWRS		TWRS	Archive	RCRA	LAB	1						6	3	3	6		4.5		
Vapor			TWRS		TWRS	Archive	RCRA	LAB														
Liquid			TWRS		TWRS	Archive	RCRA	LAB														
Sludge			TWRS		TWRS	Archive	RCRA	LAB	1						1.2	1.3	1	2		0.8		
Sludge			TWRS	180	TWRS	Archive	RCRA	LAB	1	1					1	3.3	3.3	6.6	1	2.8		
Vapor			TWRS		TWRS	Archive	RCRA	LAB														
Liquid			TWRS	180	TWRS	Archive	RCRA	LAB	1	1							1	4			1	
Vapor			TWRS		TWRS	Archive	RCRA	LAB														
Liquid			TWRS		TWRS	Archive	RCRA	LAB		1						0.34	0.34	0.68	0.34	0.34		
Vapor			TWRS		TWRS	Archive	RCRA	LAB														
Sludge			TWRS	180	TWRS	Archive	RCRA	LAB	1	1					1	3.3	3.3	6.6	1	2.8		
Liquid			TWRS	90	TWRS	Archive	RCRA	LAB	1							1	1	2	1	1		
Vapor			TWRS		TWRS	Archive	RCRA	LAB														
Vapor			TWRS		TWRS	Archive	RCRA	LAB									1					
Liquid			TWRS		TWRS	Archive	RCRA	LAB		1						0.34	0.34	0.68	0.34	0.34		
Sludge			TWRS		TWRS	Archive	RCRA	LAB	1	1		2			7	3.2	3.2	6.4		5.7		
Liquid			TWRS		TWRS	Archive	RCRA	LAB		1						0.34	0.34	0.68	0.34	0.34		
Liquid			TWRS		TWRS	Archive	RCRA	LAB		1						0.34	0.34	0.68	0.34	0.34		
Sludge			TWRS	180	TWRS	Archive	RCRA	LAB	1	1					1	3.3	3.3	6.6	1	2.8		
Vapor			TWRS		TWRS	Archive	RCRA	LAB														
Liquid			TWRS		TWRS	Archive	RCRA	LAB		1						0.34	0.34	0.68	0.34	0.34		
Duplicate			TWRS		TWRS	Archive	RCRA	LAB														
Archive			TWRS		TWRS	Archive	RCRA	LAB								64	92	34	49	132		
Liquid			TWRS	180	TWRS	Archive	RCRA	LAB	1	1		1			1	2	2	1	2	2	2	2
Sludge			TWRS		TWRS	Archive	RCRA	LAB	1	1		2.2			1	3.1	5.3	6	2.2	3.2	0.2	
Liquid			TWRS	90	TWRS	Archive	RCRA	LAB	1							1						
Duplicate			TWRS		TWRS	Archive	RCRA	LAB														

Liquid	TWRS		TWRS	Archive	RCRA	LAB		1					1.2	0.34	0.34	0.68	0.34	0.34			
Sludge	TWRS		TWRS	Archive	RCRA	LAB	1						1.2	1.3	1	2		0.8			
Vapor	TWRS		TWRS	Archive	RCRA	LAB															
Liquid	TWRS	90	TWRS	Archive	RCRA	LAB	1							1	1	2	1	1			
Liquid	TWRS	180	TWRS	Archive	RCRA	LAB	1	1		1			1	2	2	1	2	2	2	2	
Sludge	TWRS		TWRS	Archive	RCRA	LAB	1	1		2.2			1	3.1	5.3	6	2.2	3.2	0.2		
Liquid	TWRS	90	TWRS	Archive	RCRA	LAB	1							1	1	2	1	1			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1					1	3.3	3.3	6.6	1	2.8			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1					1	3.3	3.3	6.6	1	2.8			
Vapor	TWRS		TWRS	Archive	RCRA	LAB															
Spec Tracer Gas	TWRS		TWRS	Archive	RCRA	LAB															
Spec Tracer Gas	TWRS		TWRS	Archive	RCRA	LAB															
Spec Tracer Gas	TWRS		TWRS	Archive	RCRA	LAB															
Sludge	TWRS		TWRS	Archive	RCRA	LAB	1	1		2.2			1	3.1	5.3	6	2.2	3.2	0.2		
Sludge	TWRS		TWRS	Archive	RCRA	LAB	1			4				2	2	4	4				
Vapor Sample	TWRS		TWRS	Archive	RCRA	LAB															
Spec Tracer Gas	TWRS		TWRS	Archive	RCRA	LAB															
Sludge	TWRS	14	TWRS	Archive	RCRA	LAB	1	1	1												
Vapor	TWRS		TWRS	Archive	RCRA	LAB															
Spec Tracer Gas	TWRS		TWRS	Archive	RCRA	LAB															
0	TWRS		TWRS	Archive	RCRA	LAB	1						1.2	1.3	1	2		0.8			
Liquid	TWRS	180	TWRS	Archive	RCRA	LAB	1	1	1	1			1	2	2	1	2	2	2	2	
Sludge	TWRS		TWRS	Archive	RCRA	LAB	1						1.2	1.3	1	2		0.8			
Liquid	TWRS	180	TWRS	Archive	RCRA	LAB	1	1	1	1			1	2	2	1	2	2	2	2	
Vapor	TWRS		TWRS	Archive	RCRA	LAB															
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1					1	3.3	3.3	6.6	1	2.8			
Archive	TWRS		TWRS	Archive	RCRA	LAB								64	92	34	49	132			
Liquid	TWRS	180	TWRS	Archive	RCRA	LAB	1	1	1	1			1	2	2	1	2	2	2	2	
Vapor	TWRS		TWRS	Archive	RCRA	LAB															
Liquid	TWRS	90	TWRS	Archive	RCRA	LAB	1							1	1	2	1	1			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1					1	3.3	3.3	6.6	1	2.8			
Archive	TWRS		TWRS	Archive	RCRA	LAB								64	92	34	49	132			
Liquid	TWRS	90	TWRS	Archive	RCRA	LAB	1							1	1	2	1	1			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1					1	3.3	3.3	6.6	1	2.8			
Vapor	TWRS		TWRS	Archive	RCRA	LAB															
Archive	TWRS	180	TWRS	Archive	RCRA	LAB	1	1		1			1	2	2	1	2	2	2	2	
Archive	TWRS	180	TWRS	Archive	RCRA	LAB	1	1		1			1	2	2	1	2	2	2	2	
Archive	TWRS	180	TWRS	Archive	RCRA	LAB	1	1		1			1	2	2	1	2	2	2	2	
Archive	TWRS	180	TWRS	Archive	RCRA	LAB	1	1		1			1	2	2	1	2	2	2	2	
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1					1	1			1		1	
Liquid	TWRS		TWRS	Archive	RCRA	LAB	1							2	2			2		2	
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1										2	1			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1					1	3.3	3.3	6.6	1	2.8			
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1										2	1			
Liquid	TWRS	180	TWRS	Archive	RCRA	LAB	1	1		1			1	2	2	1	2	2	2	2	
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1														
Liquid	TWRS	180	TWRS	Archive	RCRA	LAB	1	1	1	1			1	2	2	1	2	2	2	2	
Liquid	TWRS	28	TWRS	Archive	PC	LAB	1							1	2	4	1	2			
Archive	TWRS		TWRS	Archive	RCRA	LAB								64	92	34	49	132			
Liquid	TWRS	90	TWRS	Archive	RCRA	LAB	1							1	1	2	1	1			
Vapor	TWRS		TWRS	Archive	RCRA	LAB															
Liquid	TWRS	28	TWRS	Archive	PC	LAB	1														
ne Penetrometer	TWRS		TWRS	Archive	RCRA	LAB	1						1.2	1.3	1	2		0.8			
Liquid	TWRS	180	TWRS	Archive	RCRA	LAB	1	1	1	1			1	2	2	1	2	2	2	2	
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1														
Liquid	TWRS	90	TWRS	Archive	RCRA	LAB	1							1	1	2	1	1			
Liquid	TWRS		TWRS	Archive	RCRA	LAB	1			4				2	2	4	4				
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1					1	3.3	3.3	6.6	1	2.8			
Liquid	TWRS	180	TWRS	Archive	RCRA	LAB	1	1	1	1			1	2	2	1	2	2	2	2	
Liquid	TWRS	28	TWRS	Archive	PC	LAB	1							1	2	4		2			

Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1									2	1			
[redacted]																				
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1													
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1													
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Liquid	TWRS		TWRS	Archive	RCRA	LAB		1					0.34	0.34	0.68	0.34	0.34			
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1													
Liquid	TWRS	28	TWRS	Archive	PC	LAB	1									2	1			
Liquid	TWRS		TWRS	Archive	RCRA	LAB		1					0.34	0.34	0.68	0.34	0.34			
Liquid	TWRS	28	TWRS	Archive	PC	LAB	1													
Liquid	TWRS	28	TWRS	Archive	PC	LAB	1													
Sludge	TWRS		TWRS	Archive	RCRA	LAB	1	1		2.2		1	3.1	5.3	6	2.2	3.2	0.2		
Liquid	TWRS	28	TWRS	Archive	PC	LAB	1													
Liquid	TWRS		TWRS	Archive	RCRA	LAB		1					0.34	0.34	0.68	0.34	0.34			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Liquid	TWRS	88	TWRS	Archive	PC	LAB	2	2	2	2		2	2	6		2	2	2	2	
Liquid	TWRS	28	TWRS	Archive	PC	LAB	1						1	2	4		2			
Archive	TWRS		TWRS	Archive	RCRA	LAB							64	92	34	49	132			
Liquid	TWRS	180	TWRS	Archive	RCRA	LAB	1	1		1		1	2	2	1	2	2	2	2	
Liquid	TWRS		TWRS	Archive	RCRA	LAB		1					0.34	0.34	0.68	0.34	0.34			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1		1		1	2	2	1	2	2	2	2	
Liquid	TWRS		TWRS	Archive	RCRA	LAB				2		1	1	1	2	2	2.5	0.5		
Sludge	TWRS	14	TWRS	Archive	RCRA	LAB	1	1	1											
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Archive	TWRS		TWRS	Archive	RCRA	LAB							64	92	34	49	132			
Liquid	TWRS	180	TWRS	Archive	RCRA	LAB	1	1		1		1	2	2	1	2	2	2	2	
Liquid	TWRS		TWRS	Archive	RCRA	LAB		1					0.34	0.34	0.68	0.34	0.34			
Sludge	TWRS		TWRS	Archive	RCRA	LAB	1	1		2.2		1	3.1	5.3	6	2.2	3.2	0.2		
Liquid	TWRS		TWRS	Archive	RCRA	LAB		1					0.34	0.34	0.68	0.34	0.34			
Liquid	TWRS		TWRS	Archive	RCRA	LAB		1					0.34	0.34	0.68	0.34	0.34			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1		1		1	2	2	1	2	2	2	2	
Liquid	TWRS		TWRS	Archive	RCRA	LAB		1					0.34	0.34	0.68	0.34	0.34			
Liquid	TWRS		TWRS	Archive	RCRA	LAB		1					0.34	0.34	0.68	0.34	0.34			
Liquid	TWRS		TWRS	Archive	RCRA	LAB				2		1	1	1	2	2	2.5	0.5		
Liquid	TWRS		TWRS	Archive	RCRA	LAB				2		1	1	1	2	2	2.5	0.5		
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Liquid	TWRS		TWRS	Archive	RCRA	LAB		1					0.34	0.34	0.68	0.34	0.34			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Liquid	TWRS	180	TWRS	Archive	RCRA	LAB	1	1		1		1	2	2	1	2	2	2	2	
Liquid	TWRS	180	TWRS	Archive	RCRA	LAB	1	1		1		1	2	2	1	2	2	2	2	
Sludge	TWRS	14	TWRS	Archive	RCRA	LAB	1	1	1											
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Sludge	TWRS		TWRS	Archive	RCRA	LAB	1	1		2.2		1	3.1	5.3	6	2.2	3.2	0.2		
Sludge	TWRS		TWRS	Archive	RCRA	LAB	1	1		2.2		1	3.1	5.3	6	2.2	3.2	0.2		
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Grab	TWRS		TWRS	Archive	RCRA	LAB				2		1	1	1	2	2	2.5	0.5		
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1				1	3.3	3.3	6.6	1	2.8			

Sludge	TWRS		TWRS	Archive	RCRA	LAB	1				1	3	3	6		1.5				
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1			2	2	2	6		2	2	2	2		
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Sludge	TWRS		TWRS	Archive	RCRA	LAB	1				1	3	3	6		1.5				
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1			2	2	2	6		2	2	2	2		
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1			2	2	2	6		2	2	2	2		
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	88	TWRS	Archive	PC	LAB	2	2	2	2	2	2	6		2	2	2	2		
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1							
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1							
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1							
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1		1		
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1		1		
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	180	TWRS	Archive	RCRA	LAB	1	1		1	1	2	2	1	2	2	2	2		
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1							
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1							
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1							
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1		1		
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1		1		
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1			2	2	2	6		2	2	2	2		
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1			2	2	2	6		2	2	2	2		
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1			2	2	2	6		2	2	2	2		
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	88	TWRS	Archive	PC	LAB	2	2	2	2	2	2	6		2	2	2	2		
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1							
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1							
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1							
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1		1		
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1		1		
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1			2	2	2	6		2	2	2	2		
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1			2	2	2	6		2	2	2	2		
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1							
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8				

Liquid	TWRS	14	TWRS	Archive	PC	LAB	1							1					
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1							1					
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1			2		2	2	6		2	2	2	2
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1				1	1			1		1
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1				1	1			1		1
Sludge	TWRS	180	TWRS	Archive	RCRA	LAB	1	1			1	3.3	3.3	6.6	1	2.8			
Liquid	TWRS	88	TWRS	Archive	PC	LAB	2	2	2	2	2	2	6		2	2	2	2	
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1			2	2	2	6		2	2	2	2	
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1			2	2	2	6		2	2	2	2	
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1			2	2	2	6		2	2	2	2	
Archive	TWRS		TWRS	Archive	RCRA	LAB						64	92	34	49	132			
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	88	TWRS	Archive	PC	LAB	2	2	2	2	2	2	6		2	2	2	2	
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Archive	TWRS		TWRS	Archive	RCRA	LAB						64	92	34	49	132			
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1
Liquid	TWRS	14	TWRS	Archive	PC	LAB	1						1						
Liquid	TWRS	28	TWRS	Archive	RCRA	LAB	1	1	1			1	1			1			1

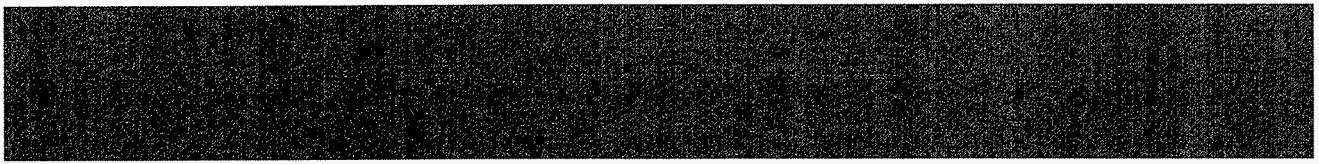
SPG	PH COND	OTHER RSST	MASS													OTHER RADIO	Estimated Cost Dollars	Includes Sa Program Sub
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$306,516	RSAC-4
3		2		3							1						$85,440	PS15-4
3		2		3							1						$128,160	RSAD-4
3		1.5	2	3							1.5						$85,440	PS55-4
1	2				1	1	1				1		1				$64,080	GS68-4
3		1.5	2	3							1.5						$128,160	RS52-4
1	2				1	1	1				1		1				$64,080	GSGK-4
1	2	2.5		1	1	1	1	1	1	1	1	1	1	1	4		$64,080	GSXA-4
1	2	2.5		1	1	1	1	1	1	1	1	1	1	1	4		$64,080	GSHS-4
3		1.5		3							1.5						$132,432	PS44-4
3		1.5		3							1.5						$39,160	PS39-4
																	$0	VSTG-4
	3																$202,920	GSHT-4
1	2	0.5		1	1		1				1		1				$0	GSHU-4
																	$0	VSP3-4
		1		2							1						$42,720	GSDA-4
		1		2							1						$21,360	RS96-4
																	$0	VS86-4
																	$0	VSP2-4
																	$0	VSP7-4
3		1		3.5							1						$242,792	PS28-4
																	$0	VSY3-4
																	$0	VSSU-4
1		0.3	1	1	1		1				1		1	1			$142,400	ASGS-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	PS53-4
																	$0	VS104-4
		1		2							1						$0	GSX2-4
																	$0	VSUH-4
0.34	0.68	0.34		0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34		0.34	0.34	2		$0	GSGU-4
																	$0	VSP8-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS45-4
1	2				1	1	1				1		1				$0	GSHY-4
																	$0	VS91-4
																	$0	VSP0-4
0.34	0.68	0.34		0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34		0.34	0.34	2		$0	GSHV-4
3.2		2		3.2	2.2	2.2					2.5		2.2				$0	PS04-4
0.34	0.68	0.34		0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34		0.34	0.34	2		$0	GSHW-4
0.34	0.68	0.34		0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34		0.34	0.34	2		$0	GSDF-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$198,648	RSAY-4
																	$0	VS32-4
0.34	0.68	0.34		0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34		0.34	0.34	2		$0	GSGV-4
																	$0	VS164-4
	37			103	81								103	70			$150,000	Dissolutio
3	3	4	2	2	2	2	2	1	1		2	2	1	2	2	Assumes 100% Liquid/Solid	$322,359	GSFB-4
3.1		0.2		3.1	2.1	2.1							2.1				$285,512	PS10-4
	3																$0	GSDD-4
																		VS82-4

0.34	0.68	0.34		0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34		0.34	0.34	2				$64,080	GSHZ-4
1		0.3	1	1	1		1				1		1	1					$85,440	AS12-4
																				VS54-4
1	2				1	1	1				1		1						$64,080	GSDM-4
3	3	4	2	2	2	2	2	1	1		2	2	1	2	2	Assumes 100% Liquid/Solid			$322,359	GSGJ-4
3.1		0.2		3.1	2.1	2.1							2.1						$0	PS51-4
1	2				1	1	1				1		1						$0	GSXD-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3						$0	RS44-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3						$0	RS11-4
																			$0	VS02-4
																				VS78-4
																				VS81-4
																				VS84-4
3.1		0.2		3.1	2.1	2.1							2.1						$0	PS52-4
1	2		2		2						2				2				$49,587	RSAV-4
																			$0	VS80-4
					1	1														VS83-4
																Does not include Environmental Analysis			$78,817	RSAK-4
																			$0	VS55-4
																				VS87-4
1		0.3	1	1	1		1				1		1	1					$0	CP02-4
3	3	4	2	2	2	2	2	1	1		2	2	1	2	2	Assumes 100% Liquid/Solid			$322,359	GS36-4
1		0.3	1	1	1		1				1		1	1					$0	LD05-4
3	3	4	2	2	2	2	2	1	1		2	2	1	2	2	Assumes 100% Liquid/Solid			$322,359	GS65-4
																			$0	VS96-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3						$0	RS91-4
	37			103	81								103	70					$150,000	Dissolutio
3	3	4	2	2	2	2	2	1	1		2	2	1	2	2	Assumes 100% Liquid/Solid			$322,359	GSXB-4
																			$0	VSD1-4
1	2				1	1	1				1		1						$0	GSFM-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3						$397,296	RS36-4
	37			103	81								103	70					$150,000	Dissolutio
1	2				1	1	1				1		1						$0	GS72-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3						$410,112	RS41-4
																			$0	VSCK-4
3	3	4	2	2	2	2	2	1	1		2	2	1	2	2	Assumes 100% Liquid/Solid			$0	Archive
3	3	4	2	2	2	2	2	1	1		2	2	1	2	2	Assumes 100% Liquid/Solid			$0	Archive
3	3	4	2	2	2	2	2	1	1		2	2	1	2	2	Assumes 100% Liquid/Solid			$0	Archive
3	3	4	2	2	2	2	2	1	1		2	2	1	2	2	Assumes 100% Liquid/Solid			$0	Archive
1	1	1			1	1	1				1		1	1		estimated			$206,059	GS28-4
	2	1			2	2	2				2		2	2					$129,438	?
1	1			1	2								2			estimated - Project W-320				GS38-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3						$273,408	RS24-4
1	1			1	2								2			estimated - Project W-320				GS59-4
3	3	4	2	2	2	2	2	1	1		2	2	1	2	2	Assumes 100% Liquid/Solid			$322,359	GSGT-4
2	1	1			2								2			estimated - Project W-320				GSDI-4
3	3	4	2	2	2	2	2	1	1		2	2	1	2	2	Assumes 100% Liquid/Solid			$322,359	GSDG-4
2	1	2		2	2								2			estimated - Project W-320				GSGY-4
	37			103	81								103	70					$150,000	Dissolutio
1	2				1	1	1				1		1						$0	GSGX-4
																			$0	VSD2-4
2	1	2											2			estimated - Project W-320				GSX1-4
1		0.3	1	1	1		1				1		1	1					$0	CP01-4
3	3	4	2	2	2	2	2	1	1		2	2	1	2	2	Assumes 100% Liquid/Solid			$322,359	GSGZ-4
2	1	1			2								2			estimated - Project W-320				GSFA-4
1	2				1	1	1				1		1						$0	GS82-4
1	2		2		2						2				2				$49,587	GSHX-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3						$410,112	RS29-4
3	3	4	2	2	2	2	2	1	1		2	2	1	2	2	Assumes 100% Liquid/Solid			$322,359	GSHB-4
2	1	2		2	2								2			estimated - Project W-320				GSXC-4

1	1				1	2									2				estimated - Project W-320			GSFD-4
2	1	1				2									2				estimated - Project W-320			GSDK-4
2	1	2													2				estimated - Project W-320			GSFH-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$341,760	RS73-4
0.34	0.68	0.34			0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34			0.34	0.34		2			$0	GSGB-4
2	2	2													2				estimated - Project W-320			GST3-4
1	1				1	2									2				estimated - Project W-320			GSHF-4
0.34	0.68	0.34			0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34			0.34	0.34		2			$0	GSX3-4
2	1	1				2									2				estimated - Project W-320			GSHJ-4
2	1	2													2				estimated - Project W-320			GSHL-4
3.1		0.2			3.1	2.1	2.1								2.1				Estimated		$0	PS35-4
2	1	1				2									2				estimated - Project W-320			GSHN-4
0.34	0.68	0.34			0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34			0.34	0.34		2			$0	GSGC-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$469,920	RS75-4
4	3			2	2	2	2	2	2	2	2	2	2	2	2	2		2			$181,804	GS97-4
2	1	2			2	2									2				estimated - Project W-320			GSHQ-4
	37				103	81									103	70					$150,000	Dissolutio
3	3	4		2	2	2	2	2	1	1		2	2	1	2		2		Assumes 100% Liquid/Solid		$322,359	GSAW-4
0.34	0.68	0.34			0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34			0.34	0.34		2			$0	GSX4-4
3	3	4		2	2	2	2	2	1	1		2	2	1	2		2		Assumes 100% Liquid/Solid		$1,418,380	PS54-4
1	2	2.5			1	1	1	1	1	1	1	1	1	1	1	1		4			$0	GSHD-4
					1	1													Does not include Environmental Analysis		$23,182	RS95-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$0	RS33-4
	37				103	81									103	70					$150,000	Dissolutio
3	3	4		2	2	2	2	2	1	1		2	2	1	2		2		Assumes 100% Liquid/Solid		$322,359	GSAX-4
0.34	0.68	0.34			0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34			0.34	0.34		2			$0	GSXE-4
3.1		0.2			3.1	2.1	2.1								2.1				Estimated		$0	PS29-4
0.34	0.68	0.34			0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34			0.34	0.34		2			$0	GSGL-4
0.34	0.68	0.34			0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34			0.34	0.34		2			$0	GSXF-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$0	RS42-4
3	3	4		2	2	2	2	2	1	1		2	2	1	2		2		Assumes 100% Liquid/Solid		$967,077	PS23-4
0.34	0.68	0.34			0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34			0.34	0.34		2			$0	GSXG-4
0.34	0.68	0.34			0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34			0.34	0.34		2			$0	GSGM-4
1	2	2.5			1	1	1	1	1	1	1	1	1	1	1	1		4			$0	GSGP-4
1	2	2.5			1	1	1	1	1	1	1	1	1	1	1	1		4			$0	GSGR-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$427,200	RS71-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$0	AS39-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$0	RS32-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$0	AS48-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$0	RS12-4
0.34	0.68	0.34			0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34			0.34	0.34		2			$0	GSGN-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$0	RSAJ-4
3	3	4		2	2	2	2	2	1	1		2	2	1	2		2		Assumes 100% Liquid/Solid		$322,359	GSAY-4
3	3	4		2	2	2	2	2	1	1		2	2	1	2		2		Assumes 100% Liquid/Solid		$322,359	GSBC-4
					1	1													Does not include Environmental Analysis		$83,454	PS43-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$0	RS16-4
3.1		0.2			3.1	2.1	2.1								2.1				Estimated		$0	PS36-4
3.1		0.2			3.1	2.1	2.1								2.1				Estimated		$0	PS37-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$0	RS78-4
1	2	2.5			1	1	1	1	1	1	1	1	1	1	1	1		4			$0	GSGQ-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$0	AS35-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$0	RS53-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$0	RS77-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$0	RS87-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$0	RS68-4
3.3		1.5			3.3	2.3	0.3						1.5		0.3						$0	RS13-4

3		2		3							1					Estimated	$0	PS45-4
2	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$154,784	GSEX-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS66-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS10-4
3		2		3							1					Estimated	$0	PS46-4
2	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$154,784	GSES-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS94-4
2	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$154,784	GSEV-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS14-4
4	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$181,804	GSEY-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS76-4
1	1															estimated	$10,000	GSEZ-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS15-4
1	1															estimated	$10,000	GSAZ-4
1	1															estimated	$10,000	GSCK-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS84-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSBD-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSCM-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS46-4
3	3	4	2	2	2	2	2	1	1		2	2	1	2	2	Assumes 100% Liquid/Solid	$322,359	GSFN-4
1	1															estimated	$10,000	GSEP-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS83-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RSAE-4
1	1															estimated	$10,000	GSCN-4
1	1															estimated	$10,000	GSEQ-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS17-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RSQ2-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSBH-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSCQ-4
2	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$154,784	GSFP-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS69-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RSAH-4
2	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$154,784	GSFQ-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS74-4
2	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$154,784	GSFR-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS09-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS79-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS55-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS21-4
4	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$181,804	GSFS-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS85-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS72-4
1	1															estimated	$10,000	GSER-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS70-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS60-4
1	1															estimated	$10,000	GSBJ-4
1	1															estimated	$10,000	GSCR-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RSAF-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSBL-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSCT-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RSAG-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS63-4
2	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$154,784	GSFU-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS22-4
2	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$154,784	GSFV-4
1	1															estimated	$10,000	GSFT-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS92-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS97-4

1	1															estimated	$10,000	GSBM-4
1	1															estimated	$10,000	GSCU-4
2	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$154,784	GSFY-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSBP-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSCW-4
3.3		1.5		3.3	2.3	0.3					1.5		0.3				$0	RS98-4
4	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$181,804	GSFW-4
1	1															estimated	$10,000	GSBQ-4
1	1															estimated	$10,000	GSCX-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSBR-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSCZ-4
1	1															estimated	$10,000	GSBS-4
1	1															estimated	$10,000	GSEM-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSBT-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSDB-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSDZ-4
1	1															estimated	$10,000	GSFX-4
2	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$154,784	GSEW-4
1	1															estimated	$10,000	GSCJ-4
2	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$154,784	GSBK-4
1	1															estimated	$10,000	GSEB-4
2	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$154,784	GSBN-4
	37			103	81								103	70			$150,000	Dissolutio
1	1															estimated	$10,000	GSBF-4
4	3		2	2	2	2	2	2	2	2	2	2	2	2	2		$181,804	GSBU-4
1	1															estimated	$10,000	GSBW-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSBV-4
1	1															estimated	$10,000	GSDE-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSDN-4
1	1															estimated	$10,000	GSCA-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSBY-4
1	1															estimated	$10,000	GSDP-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSDS-4
	37			103	81								103	70			$150,000	Dissolutio
1	1															estimated	$10,000	GSBG-4
1	1															estimated	$10,000	GSCE-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSCD-4
1	1															estimated	$10,000	GSDU-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSDW-4
1	1															estimated	$10,000	GSCG-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSBZ-4
1	1															estimated	$10,000	GSDX-4
1	1	1			1	1	1				1		1	1		estimated	$206,059	GSDT-4



ples + Duplicates

Rqmt ID	Rqmt	Number of	Sample	Sort	Radiation	Report	Notification	Turnaround	Special QC	Sample	LabType	Extrude	Build Composit	Ship to Another Location	VOA	PEST	WTPH OIL	WTPH FLASH	WTPH OTHER	DSC	WET	TIC
Complete	Complete																					
23-Dec-97	Dec-97	16	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	32	32	0	0	0	0	0	32	105.6	105.6	211.2	32	89.6
07-Jul-97	Jul-97	4	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	8	0	0	0	0	0	0	8	24	24	48	0	12
11-Jan-98	Jan-98	6	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	12	0	0	0	0	0	0	12	36	36	72	0	18
28-Jul-97	Jul-97	4	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	8	0	0	0	0	0	0	8	24	24	48	16	16
29-Oct-97	Oct-97	0	Liquid	0	0	TWRS	0	90	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
08-Feb-98	Feb-98	6	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	12	0	0	0	0	0	0	12	36	36	72	24	24
16-Nov-97	Nov-97	0	Liquid	0	0	TWRS	0	90	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
25-Aug-97	Aug-97	5	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	20	0	0	0	10	10	10	20	10	25
11-Sep-97	Sep-97	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	12	0	0	0	6	6	6	12	12	15
16-Sep-97	Sep-97	6	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	12	0	0	0	0	0	0	12	36	36	72	0	24
23-Sep-97	Sep-97	2	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	4	0	0	0	0	0	0	4	12	12	24	0	8
35702	35703	4	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
01-Jan-98	Jan-98	3	Liquid	0	0	TWRS	0	90	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	6	0	0	0	0	6
10-Oct-97	Oct-97	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	6	6	6	12	6	6
35710	35710	4	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
17-Oct-97	Oct-97	2	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	4	4	0	0	0	0	0	0	0	4	16	0	0
19-Apr-98	Apr-98	1	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	2	2	0	0	0	0	0	0	0	2	8	0	0
35724	35724	4	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
35726	35726	4	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
35733	35733	4	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
31-Oct-97	Oct-97	11	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	22	0	0	0	0	0	0	132	66	66	132	0	99
35744	35744	4	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
26-Nov-97	Nov-97	4	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	8	0	0	0	0	0	0	9.6	10.4	8	16	0	6.4
25-May-98	May-98	11	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	22	22	0	0	0	0	0	22	72.6	72.6	145.2	22	61.6
35760	35760	4	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
03-Jun-98	Jun-98	3	Liquid	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	6	6	0	0	0	0	0	0	0	6	24	0	0
35766	35766	4	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
12-Dec-97	Dec-97	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	6	0	0	0	0	0	0	2.04	2.04	4.08	2.04	2.04
35776	35776	4	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
14-Jun-98	Jun-98	9	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	18	18	0	0	0	0	0	18	59.4	59.4	118.8	18	50.4
19-Mar-98	Mar-98	4	Liquid	0	0	TWRS	0	90	TWRS	Archive	RCRA	LAB	8	0	0	0	0	0	0	0	8	8	16	8	8
35783	35783	4	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
35793	35793	4	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
															64	0	0	0	49.6	184.44	156.04	324.08	50.04	160.44
07-Jan-98	Jan-98	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	6	0	0	0	0	0	0	2.04	2.04	4.08	2.04	2.04
09-Jan-98	Jan-98	30	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	60	60	0	120	0	0	0	420	192	192	384	0	342
14-Jan-98	Jan-98	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	6	0	0	0	0	0	0	2.04	2.04	4.08	2.04	2.04
21-Jan-98	Jan-98	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	6	0	0	0	0	0	0	2.04	2.04	4.08	2.04	2.04
20-Jul-98	Jul-98	9	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	18	18	0	0	0	0	0	18	59.4	59.4	118.8	18	50.4
35815	35815	4	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
28-Jan-98	Jan-98	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	6	0	0	0	0	0	0	2.04	2.04	4.08	2.04	2.04
01-Feb-98	Feb-98	1	Archive	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	128	184	68	96	264
03-Aug-98	Aug-98	5	Liquid	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	10	10	0	10	0	0	0	10	20	20	10	20	20
10-Feb-98	Feb-98	11	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	22	22	0	48.4	0	0	0	22	68.2	118.6	132	48.4	70.4
12-May-98	May-98	3	Liquid	0	0	TWRS	0	90	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	0	6	0	0	0	0

18-Feb-98	Feb-98	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	6	0	0	0	0	0	0	2.04	2.04	4.08	2.04	2.04
20-Feb-98	Feb-98	4	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	8	0	0	0	0	0	0	9.6	10.4	8	16	0	6.4
35946	35946	5	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB													
27-May-98	May-98	3	Liquid	0	0	TWRS	0	90	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	0	6	6	12	6	6
01-Sep-98	Sep-98	5	Liquid	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	10	10	0	10	0	0	0	10	20	20	10	20	20
11-Mar-98	Mar-98	11	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	22	22	0	48.4	0	0	0	22	68.2	116.6	132	48.4	70.4
10-Jun-98	Jun-98	3	Liquid	0	0	TWRS	0	90	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	0	6	6	12	6	6
12-Sep-98	Sep-98	26	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	52	52	0	0	0	0	0	52	171.6	171.6	343.2	52	145.6
14-Sep-98	Sep-98	24	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	48	48	0	0	0	0	0	48	158.4	158.4	316.8	48	134.4
35947	35947	5	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB													
08-Apr-98	Apr-98	10	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	20	20	0	44	0	0	0	20	62	106	120	44	64
16-Apr-98	Apr-98	12	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	24	0	0	96	0	0	0	0	48	48	96	96	0
35950	35950	5	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB													
01-May-98	May-98	34	Sludge	0	0	TWRS	0	14	TWRS	Archive	RCRA	LAB	68	68	68	0	0	0	0	0	0	0	0	0	0
35951	35951	5	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB													
24-Apr-98	Apr-98	1	0	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	2	0	0	0	0	0	0	2.4	2.6	2	4	0	1.6
03-Nov-98	Nov-98	5	Liquid	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	10	10	10	10	0	0	0	10	20	20	10	20	20
14-May-98	May-98	4	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	8	0	0	0	0	0	0	9.6	10.4	8	16	0	6.4
17-Nov-98	Nov-98	5	Liquid	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	10	10	10	10	0	0	0	10	20	20	10	20	20
35952	35952	5	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB													
18-Nov-98	Nov-98	16	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	32	32	0	0	0	0	0	32	105.6	105.6	211.2	32	89.6
25-May-98	May-98	1	Archive	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	128	184	68	98	264
02-Dec-98	Dec-98	5	Liquid	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	10	10	10	10	0	0	0	10	20	20	10	20	20
35953	35953	5	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB													
22-Sep-98	Sep-98	3	Liquid	0	0	TWRS	0	90	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	0	6	6	12	6	6
23-Dec-98	Dec-98	18	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	36	36	0	0	0	0	0	36	118.8	118.8	237.6	36	100.8
01-Jul-98	Jul-98	1	Archive	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	128	184	68	98	264
29-Sep-98	Sep-98	3	Liquid	0	0	TWRS	0	90	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	0	6	6	12	6	6
05-Jan-99	Jan-99	18	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	36	36	0	0	0	0	0	36	118.8	118.8	237.6	36	100.8
35954	35954	5	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB													
20-Jan-99	Jan-99	0	Archive	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
20-Jan-99	Jan-99	0	Archive	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
20-Jan-99	Jan-99	0	Archive	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
20-Jan-99	Jan-99	0	Archive	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
31-Aug-98	Aug-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	6	6	6	0	0	0	0	0	6	6	0	0	6
04-Aug-98	Aug-98	0	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0
01-Sep-98	Sep-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	0	0	0	0	12	6
01-Feb-99	Feb-99	12	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	24	24	0	0	0	0	0	24	79.2	79.2	158.4	24	67.2
03-Sep-98	Sep-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	0	0	0	0	12	6
02-Feb-99	Feb-99	5	Liquid	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	10	10	0	10	0	0	0	10	20	20	10	20	20
08-Sep-98	Sep-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	0	0	0	0	0	0
09-Feb-99	Feb-99	5	Liquid	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	10	10	10	10	0	0	0	10	20	20	10	20	20
15-Sep-98	Sep-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	PC	LAB	6	0	0	0	0	0	0	0	6	12	24	6	12
20-Aug-98	Aug-98	1	Archive	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	128	184	68	98	264
18-Nov-98	Nov-98	3	Liquid	0	0	TWRS	0	90	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	0	6	6	12	6	6
35955	35955	5	Vapor	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB													
19-Sep-98	Sep-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	PC	LAB	6	0	0	0	0	0	0	0	0	0	0	0	0
25-Aug-98	Aug-98	1	Cone Pen	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	2	0	0	0	0	0	0	2.4	2.6	2	4	0	1.6
23-Feb-99	Feb-99	5	Liquid	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	10	10	10	10	0	0	0	10	20	20	10	20	20
25-Sep-98	Sep-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	0	0	0	0	0	0
02-Dec-98	Dec-98	3	Liquid	0	0	TWRS	0	90	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	0	6	6	12	6	6
03-Sep-98	Sep-98	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	6	0	0	24	0	0	0	0	12	12	24	24	0
09-Mar-99	Mar-99	18	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	36	36	0	0	0	0	0	36	118.8	118.8	237.6	36	100.8
10-Mar-99	Mar-99	5	Liquid	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	10	10	10	10	0	0	0	10	20	20	10	20	20
11-Oct-98	Oct-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	PC	LAB	6	0	0	0	0	0	0	0	6	12	24	0	12

16-Oct-98	Oct-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	0	0	12	6
23-Oct-98	Oct-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	0	0	0	0
28-Oct-98	Oct-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	0	0	0	0
30-Mar-99	Mar-99	16	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	32	32	0	0	0	0	32	105.6	105.6	211.2	32	89.6
05-Oct-98	Oct-98	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	6	0	0	0	0	0	2.04	2.04	4.08	2.04	2.04
13-Nov-98	Nov-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	6	0	0	0	0	0	0	0	0	0	0	0
18-Nov-98	Nov-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	PC	LAB	6	0	0	0	0	0	0	0	0	0	12	6
22-Oct-98	Oct-98	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	6	0	0	0	0	0	2.04	2.04	4.08	2.04	2.04
25-Nov-98	Nov-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	PC	LAB	6	0	0	0	0	0	0	0	0	0	0	0
30-Nov-98	Nov-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	PC	LAB	6	0	0	0	0	0	0	0	0	0	0	0
04-Nov-98	Nov-98	16	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	32	32	0	70.4	0	0	0	32	99.2	169.6	192	70.4	102.4
05-Dec-98	Dec-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	PC	LAB	6	0	0	0	0	0	0	0	0	0	0	0
10-Nov-98	Nov-98	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	6	0	0	0	0	0	2.04	2.04	4.08	2.04	2.04
10-May-99	May-99	22	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	44	44	0	0	0	0	0	44	145.2	145.2	290.4	44	123.2
09-Feb-99	Feb-99	3	Liquid	0	0	TWRS	0	88	TWRS	Archive	PC	LAB	12	12	12	12	0	0	0	12	12	36	0	12	12
22-Dec-98	Dec-98	3	Liquid	0	0	TWRS	0	28	TWRS	Archive	PC	LAB	6	0	0	0	0	0	0	0	6	12	24	0	12
03-Dec-98	Dec-98	1	Archive	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	128	184	68	98	264
01-Jun-99	Jun-99	5	Liquid	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	10	10	0	10	0	0	0	10	20	20	10	20	20
08-Dec-98	Dec-98	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	6	0	0	0	0	0	0	2.04	2.04	4.08	2.04	2.04
12-Jun-99	Jun-99	22	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	44	44	0	44	0	0	0	44	88	88	44	88	88
22-Dec-98	Dec-98	6	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	24	0	0	0	12	12	12	24	24	30
																254.4	0	0	0	434.4	1758.96	2091.76	2380.32	1096.56	2228.16
20-Jan-99	Jan-99	10	Sludge	0	0	TWRS	0	14	TWRS	Archive	RCRA	LAB	20	20	20	0	0	0	0	0	0	0	0	0	0
06-Jul-99	Jul-99	22	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	44	44	0	0	0	0	0	44	145.2	145.2	290.4	44	123.2
03-Feb-99	Feb-99	1	Archive	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	128	184	68	98	264
02-Aug-99	Aug-99	5	Liquid	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	10	10	0	10	0	0	0	10	20	20	10	20	20
17-Feb-99	Feb-99	6	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	12	0	0	0	0	0	0	4.08	4.08	8.16	4.08	4.08
18-Feb-99	Feb-99	12	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	24	24	0	52.8	0	0	0	24	74.4	127.2	144	52.8	76.8
04-Mar-99	Mar-99	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	6	0	0	0	0	0	0	2.04	2.04	4.08	2.04	2.04
18-Mar-99	Mar-99	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	6	0	0	0	0	0	0	2.04	2.04	4.08	2.04	2.04
21-Sep-99	Sep-99	26	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	52	52	0	0	0	0	0	52	171.6	171.6	343.2	52	145.6
22-Sep-99	Sep-99	15	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	30	30	0	30	0	0	0	30	60	60	30	60	60
01-Apr-99	Apr-99	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	6	0	0	0	0	0	0	2.04	2.04	4.08	2.04	2.04
06-Apr-99	Apr-99	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	6	0	0	0	0	0	0	2.04	2.04	4.08	2.04	2.04
20-Apr-99	Apr-99	6	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	24	0	0	0	12	12	12	24	24	30
04-May-99	May-99	6	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	24	0	0	0	12	12	12	24	24	30
01-Dec-99	Dec-99	20	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	40	40	0	0	0	0	0	40	132	132	264	40	112
04-Dec-99	Dec-99	2	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	4	4	0	0	0	0	0	4	13.2	13.2	26.4	4	11.2
02-Feb-00	Feb-00	24	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	48	48	0	0	0	0	0	48	158.4	158.4	316.8	48	134.4
01-Apr-00	Apr-00	2	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	4	4	0	0	0	0	0	4	13.2	13.2	26.4	4	11.2
02-Apr-00	Apr-00	10	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	20	20	0	0	0	0	0	20	66	66	132	20	56
20-Oct-99	Oct-99	3	Liquid	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	6	0	0	0	0	0	0	2.04	2.04	4.08	2.04	2.04
19-Apr-00	Apr-00	6	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	12	12	0	0	0	0	0	12	39.6	39.6	79.2	12	33.6
01-May-00	May-00	5	Liquid	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	10	10	0	10	0	0	0	10	20	20	10	20	20
01-May-00	May-00	5	Liquid	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	10	10	0	10	0	0	0	10	20	20	10	20	20
18-Nov-99	Nov-99	36	Sludge	0	0	TWRS	0	14	TWRS	Archive	RCRA	LAB	72	72	72	0	0	0	0	0	0	0	0	0	0
28-May-00	May-00	8	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	16	16	0	0	0	0	0	16	52.8	52.8	105.6	16	44.8
06-Dec-99	Dec-99	22	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	44	44	0	96.8	0	0	0	44	136.4	233.2	264	96.8	140.8
																257.6	0	0	0	392	1289.08	1494.68	2196.56	669.88	1347.88
13-Jan-00	Jan-00	14	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	28	28	0	61.6	0	0	0	28	88.8	148.4	168	61.6	89.6
08-Aug-00	Aug-00	24	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	48	48	0	0	0	0	0	48	158.4	158.4	316.8	48	134.4
03-Mar-00	Mar-00	6	Grab	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	24	0	0	0	12	12	12	24	24	30
03-Sep-00	Sep-00	2	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	4	4	0	0	0	0	0	4	13.2	13.2	26.4	4	11.2
13-Sep-00	Sep-00	4	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	8	8	0	0	0	0	0	8	26.4	26.4	52.8	8	22.4
29-Oct-00	Oct-00	22	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	44	44	0	0	0	0	0	44	145.2	145.2	290.4	44	123.2
29-Nov-00	Nov-00	16	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	32	32	0	0	0	0	0	32	105.6	105.6	211.2	32	89.6
16-Jan-01	Jan-01	16	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	32	32	0	0	0	0	0	32	105.6	105.6	211.2	32	89.6
16-Apr-01	Apr-01	4	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	8	8	0	0	0	0	0	8	26.4	26.4	52.8	8	22.4

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17-Nov-00	Nov-00	4	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	8	0	0	0	0	0	0	8	24	24	48	0	12
07-Dec-00	Dec-00	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	20	0	0	0	20	20	60	0	20	20
28-May-01	May-01	3	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	6	6	0	0	0	0	0	6	19.8	19.8	39.6	6	16.8
																105.6	0	0	0	250	743.4	845	1441.2	287.6	661.2
11-Jul-01	Jul-01	4	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	8	8	0	0	0	0	0	8	26.4	26.4	52.8	8	22.4
24-Jan-01	Jan-01	2	Sludge	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	4	0	0	0	0	0	0	4	12	12	24	0	6
12-Feb-01	Feb-01	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	20	0	0	0	20	20	60	0	20	20
21-Aug-01	Aug-01	10	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	20	20	0	0	0	0	0	20	66	66	132	20	56
18-Apr-01	Apr-01	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	20	0	0	0	20	20	60	0	20	20
05-Nov-01	Nov-01	6	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	12	12	0	0	0	0	0	12	39.6	39.6	79.2	12	33.6
04-Sep-01	Sep-01	5	Liquid	0	0	TWRS	0	88	TWRS	Archive	PC	LAB	20	20	20	20	0	0	0	20	20	60	0	20	20
02-Jan-02	Jan-02	22	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	44	44	0	0	0	0	0	44	145.2	145.2	290.4	44	123.2
23-Jul-01	Jul-01	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
22-Jan-02	Jan-02	4	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	8	8	0	0	0	0	0	8	26.4	26.4	52.8	8	22.4
07-Sep-01	Sep-01	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
15-Sep-01	Sep-01	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
20-Mar-02	Mar-02	6	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	12	12	0	0	0	0	0	12	39.6	39.6	79.2	12	33.6
23-Oct-01	Oct-01	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
31-Oct-01	Oct-01	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
24-Apr-02	Apr-02	4	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	8	8	0	0	0	0	0	8	26.4	26.4	52.8	8	22.4
																60	0	0	0	176	517.6	667.6	763.2	172	455.6
03-Jul-02	Jul-02	5	Liquid	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	10	10	0	10	0	0	0	10	20	20	10	20	20
01-Feb-02	Feb-02	3	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	6	0	0	0	0	0	0	0	0	6	0	0	0
22-Jul-02	Jul-02	6	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	12	12	0	0	0	0	0	12	39.6	39.6	79.2	12	33.6
22-Jul-02	Jul-02	16	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	32	32	0	0	0	0	0	32	105.6	105.6	211.2	32	89.6
19-Mar-02	Mar-02	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
27-Mar-02	Mar-02	3	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	6	0	0	0	0	0	0	0	0	6	0	0	0
23-Sep-02	Sep-02	4	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	8	8	0	0	0	0	0	8	26.4	26.4	52.8	8	22.4
23-Sep-02	Sep-02	10	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	20	20	0	0	0	0	0	20	66	66	132	20	56
06-May-02	May-02	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
13-May-02	May-02	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
28-May-02	May-02	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	20	0	0	0	20	20	60	0	20	20
16-Dec-02	Dec-02	6	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	12	12	0	0	0	0	0	12	39.6	39.6	79.2	12	33.6
05-Jan-03	Jan-03	8	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	16	16	0	0	0	0	0	16	52.8	52.8	105.6	16	44.8
03-Aug-02	Aug-02	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	20	0	0	0	20	20	60	0	20	20
04-Feb-03	Feb-03	26	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	52	52	0	0	0	0	0	52	171.6	171.6	343.2	52	145.6
07-Oct-02	Oct-02	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	20	0	0	0	20	20	60	0	20	20
23-Mar-03	Mar-03	4	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	8	8	0	0	0	0	0	8	26.4	26.4	52.8	8	22.4
25-Mar-03	Mar-03	20	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	40	40	0	0	0	0	0	40	132	132	264	40	112
26-Apr-03	Apr-03	6	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	12	12	0	0	0	0	0	12	39.6	39.6	79.2	12	33.6
19-May-03	May-03	8	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	16	16	0	0	0	0	0	16	52.8	52.8	105.6	16	44.8
28-Feb-03	Feb-03	5	Liquid	0	0	TWRS	0	88	TWRS	Archive	PC	LAB	20	20	20	20	0	0	0	20	20	60	0	20	20
																90	0	0	0	318	928.4	1110.4	1514.8	328	814.4
03-Aug-03	Aug-03	4	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	8	8	0	0	0	0	0	8	26.4	26.4	52.8	8	22.4
17-Aug-03	Aug-03	4	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	8	8	0	0	0	0	0	8	26.4	26.4	52.8	8	22.4
08-Apr-03	Apr-03	3	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	6	0	0	0	0	0	0	0	0	6	0	0	0
07-Oct-03	Oct-03	16	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	32	32	0	0	0	0	0	32	105.6	105.6	211.2	32	89.6
14-Oct-03	Oct-03	18	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	36	36	0	0	0	0	0	36	118.8	118.8	237.6	36	100.8
18-May-03	May-03	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
28-May-03	May-03	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
19-Nov-03	Nov-03	2	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	4	4	0	0	0	0	0	4	13.2	13.2	26.4	4	11.2
07-Jul-03	Jul-03	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
29-Jul-03	Jul-03	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
11-Jan-04	Jan-04	4	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	8	8	0	0	0	0	0	8	26.4	26.4	52.8	8	22.4
24-Jan-04	Jan-04	18	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	36	36	0	0	0	0	0	36	118.8	118.8	237.6	36	100.8
20-Aug-03	Aug-03	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	20	0	0	0	20	20	60	0	20	20
27-Mar-04	Mar-04	6	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	12	12	0	0	0	0	0	12	39.6	39.6	79.2	12	33.6
26-Oct-03	Oct-03	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	20	0	0	0	20	20	60	0	20	20
08-Nov-03	Nov-03	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
28-Apr-04	Apr-04	2	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	4	4	0	0	0	0	0	4	13.2	13.2	26.4	4	11.2
01-May-04	May-04	2	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	4	4	0	0	0	0	0	4	13.2	13.2	26.4	4	11.2

18-Dec-03	Dec-03	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	10	0	0	0
28-Dec-03	Dec-03	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	10	0	0	0
02-Jan-04	Jan-04	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	10	0	0	0
																20	0	0	0	20	20	60	0	20	20
																60	0	0	0	212	637.6	813.6	1003.2	212	561.6
02-Feb-04	Feb-04	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
17-Feb-04	Feb-04	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
27-Jul-04	Jul-04	2	Sludge	0	0	TWRS	0	180	TWRS	Archive	RCRA	LAB	4	4	0	0	0	0	0	4	13.2	13.2	26.4	4	11.2
22-May-04	May-04	5	Liquid	0	0	TWRS	0	88	TWRS	Archive	PC	LAB	20	20	20	20	0	0	0	20	20	60	0	20	20
03-Jul-04	Jul-04	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
03-Jul-04	Jul-04	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
08-Sep-04	Sep-04	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
13-Sep-04	Sep-04	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
																20	0	0	0	24	185.2	245.2	26.4	24	183.2
25-Apr-05	Apr-05	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
25-Apr-05	Apr-05	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
20-Jun-05	Jun-05	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
24-Jun-05	Jun-05	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
16-Jul-05	Jul-05	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
06-Jul-05	Jul-05	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
17-Sep-05	Sep-05	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	20	0	0	0	20	20	60	0	20	20
17-Oct-05	Oct-05	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
22-Nov-05	Nov-05	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	20	0	0	0	20	20	60	0	20	20
16-Dec-05	Dec-05	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
																40	0	0	0	40	154	284	0	40	154
26-Jan-06	Jan-06	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	20	0	0	0	20	20	60	0	20	20
14-Mar-06	Mar-06	1	Archive	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	128	184	68	98	284
28-Mar-06	Mar-06	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
11-Jun-06	Jun-06	5	Liquid	0	0	TWRS	0	88	TWRS	Archive	PC	LAB	20	20	20	20	0	0	0	20	20	60	0	20	20
01-May-06	May-06	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
18-Jun-06	Jun-06	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
07-Jul-06	Jul-06	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
23-Aug-06	Aug-06	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
25-Sep-06	Sep-06	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
14-Nov-06	Nov-06	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
28-Nov-06	Nov-06	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
24-Jan-07	Jan-07	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
																40	0	0	0	40	320	506	68	138	456
11-Mar-07	Mar-07	1	Archive	0	0	TWRS	0	0	TWRS	Archive	RCRA	LAB	0	0	0	0	0	0	0	0	128	184	68	98	284
25-Mar-07	Mar-07	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
22-May-07	May-07	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
16-Jul-07	Jul-07	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
27-Aug-07	Aug-07	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
17-Sep-07	Sep-07	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
18-Dec-07	Dec-07	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
08-Feb-08	Feb-08	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38
18-Feb-08	Feb-08	5	Liquid	0	0	TWRS	0	14	TWRS	Archive	PC	LAB	10	0	0	0	0	0	0	0	0	10	0	0	0
14-Apr-08	Apr-08	19	Liquid	0	0	TWRS	0	28	TWRS	Archive	RCRA	LAB	38	38	38	0	0	0	0	0	38	38	0	0	38

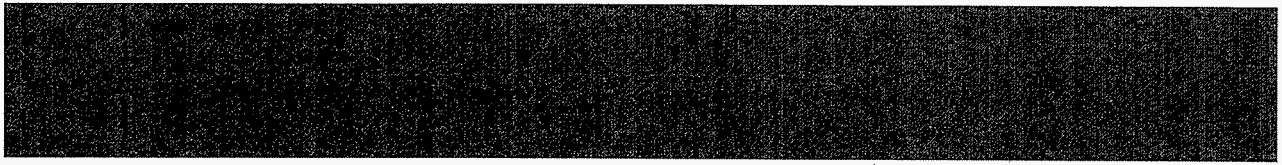
			SPG	PH COND	OTHER MASS											OTHER RADIO					
0	0	0	0	105.6	0	112	0	0	105.6	73.6	9.6	0	0	0	0	48	0	9.6	0	0	0	0
0	0	0	0	24	0	24	0	0	24	0	0	0	0	0	0	8	0	0	0	0	0	0
0	0	0	0	36	0	36	0	0	36	0	0	0	0	0	0	12	0	0	0	0	0	0
0	0	0	0	24	0	20	16	0	24	0	0	0	0	0	0	12	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	36	0	30	24	0	36	0	0	0	0	0	0	18	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	10	20	25	0	0	10	10	10	10	10	10	10	10	10	10	10	0	40	0
3	0	0	0	6	12	15	0	0	6	6	6	6	6	6	6	6	6	6	6	0	24	0
0	0	0	0	36	0	30	0	0	36	0	0	0	0	0	0	18	0	0	0	0	0	0
0	0	0	0	12	0	10	0	0	12	0	0	0	0	0	0	6	0	0	0	0	0	0
0	0	0	0	0	18	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	6	12	3	0	0	6	6	0	6	0	0	0	6	0	6	0	0	0	0
4	0	0	0	0	0	12	0	0	8	0	0	0	0	0	0	4	0	0	0	0	0	0
2	0	0	0	0	0	6	0	0	4	0	0	0	0	0	0	2	0	0	0	0	0	0
0	0	0	0	66	0	44	0	0	77	0	0	0	0	0	0	22	0	0	0	0	0	0
0	0	0	0	8	0	10.4	8	0	8	8	0	8	0	0	0	8	0	8	8	0	0	0
0	0	0	0	72.6	0	77	0	0	72.6	50.6	6.6	0	0	0	0	33	0	6.6	0	0	0	0
6	0	0	0	0	0	18	0	0	12	0	0	0	0	0	0	6	0	0	0	0	0	0
0	0	0	0	2.04	4.08	8.04	0	0	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	0	2.04	2.04	0	12	0
0	0	0	0	59.4	0	63	0	0	59.4	41.4	5.4	0	0	0	0	27	0	5.4	0	0	0	0
0	0	0	0	8	16	8	0	0	0	8	8	8	0	0	0	8	0	8	0	0	0	0
6	0	0	0	150.04	20.08	364.44	8	0	154.04	110.04	22.04	18.04	2.04	2.04	2.04	84.04	0	30.04	10.04	0		
0	0	0	0	2.04	4.08	8.04	0	0	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	0	2.04	2.04	0	12	0
0	0	0	0	192	0	240	0	0	192	132	132	0	0	0	0	150	0	132	0	0	0	0
0	0	0	0	2.04	4.08	8.04	0	0	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	0	2.04	2.04	0	12	0
0	0	0	0	2.04	4.08	8.04	0	0	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	0	2.04	2.04	0	12	0
0	0	0	0	59.4	0	63	0	0	59.4	41.4	5.4	0	0	0	0	27	0	5.4	0	0	0	0
0	0	0	0	2.04	4.08	8.04	0	0	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	0	2.04	2.04	0	12	0
0	0	0	0	0	74	0	0	0	206	162	0	0	0	0	0	0	0	206	140	0	0	0
20	20	0	0	30	30	60	20	0	20	20	20	20	10	10	0	20	20	10	20	0	20	Assumes 100% Liquid/Solid
4.4	0	0	0	68.2	0	48.4	0	0	68.2	46.2	46.2	0	0	0	0	0	0	46.2	0	0	0	0
0	0	0	0	0	18	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	2.04	4.08	8.04	0	0	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	0	2.04	2.04	0	12		0
0	0	0	0	8	0	10.4	8	0	8	8	0	8	0	0	0	8	0	8	8	0	0		0
0	0	0	0	6	12	6	0	0	0	6	6	6	0	0	0	6	0	6	0	0	0		0
20	20	0	0	30	30	60	20	0	20	20	20	20	10	10	0	20	20	10	20	0	20	Assumes 100% Liquid/Solid	
4.4	0	0	0	68.2	0	48.4	0	0	68.2	46.2	46.2	0	0	0	0	0	0	46.2	0	0	0		0
0	0	0	0	6	12	6	0	0	0	6	6	6	0	0	0	6	0	6	0	0	0		0
0	0	0	0	171.6	0	162	0	0	171.6	119.6	15.6	0	0	0	0	78	0	15.6	0	0	0		0
0	0	0	0	158.4	0	168	0	0	158.4	110.4	14.4	0	0	0	0	72	0	14.4	0	0	0		0
4	0	0	0	62	0	44	0	0	62	42	42	0	0	0	0	0	0	42	0	0	0		0
0	0	0	0	24	48	24	48	0	0	48	0	0	0	0	0	48	0	0	0	0	48		0
0	0	0	0	0	0	204	0	0	68	68	0	0	0	0	0	0	0	0	0	0	0	Does not include Environmental Analysis	
0	0	0	0	2	0	2.6	2	0	2	2	0	2	0	0	0	2	0	2	2	0	0		0
20	20	0	0	30	30	70	20	0	20	20	20	20	10	10	0	20	20	10	20	0	20	Assumes 100% Liquid/Solid	
0	0	0	0	8	0	10.4	8	0	8	8	0	8	0	0	0	8	0	8	8	0	0		0
20	20	0	0	30	30	70	20	0	20	20	20	20	10	10	0	20	20	10	20	0	20	Assumes 100% Liquid/Solid	
0	0	0	0	105.6	0	112	0	0	105.6	73.6	9.6	0	0	0	0	48	0	9.6	0	0	0		0
0	0	0	0	0	74	0	0	0	206	162	0	0	0	0	0	0	0	206	140	0	0		0
20	20	0	0	30	30	70	20	0	20	20	20	20	10	10	0	20	20	10	20	0	20	Assumes 100% Liquid/Solid	
0	0	0	0	6	12	6	0	0	0	6	6	6	0	0	0	6	0	6	0	0	0		0
0	0	0	0	118.8	0	126	0	0	118.8	82.8	10.8	0	0	0	0	54	0	10.8	0	0	0		0
0	0	0	0	0	74	0	0	0	206	162	0	0	0	0	0	0	0	206	140	0	0		0
0	0	0	0	6	12	6	0	0	0	6	6	6	0	0	0	6	0	6	0	0	0		0
0	0	0	0	118.8	0	126	0	0	118.8	82.8	10.8	0	0	0	0	54	0	10.8	0	0	0		0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Assumes 100% Liquid/Solid	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Assumes 100% Liquid/Solid	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Assumes 100% Liquid/Solid	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Assumes 100% Liquid/Solid	
0	6	0	0	6	6	24	0	0	0	6	6	6	0	0	0	6	0	6	6	0	0	estimated	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
0	0	0	0	6	6	6	0	0	6	12	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	
0	0	0	0	79.2	0	84	0	0	79.2	55.2	7.2	0	0	0	0	36	0	7.2	0	0	0		0
0	0	0	0	6	6	6	0	0	6	12	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	
20	20	0	0	30	30	60	20	0	20	20	20	20	10	10	0	20	20	10	20	0	20	Assumes 100% Liquid/Solid	
0	0	0	0	12	6	12	0	0	0	12	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	
20	20	0	0	30	30	70	20	0	20	20	20	20	10	10	0	20	20	10	20	0	20	Assumes 100% Liquid/Solid	
0	0	0	0	12	6	18	0	0	12	12	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	
0	0	0	0	0	74	0	0	0	206	162	0	0	0	0	0	0	0	206	140	0	0		0
0	0	0	0	6	12	6	0	0	0	6	6	6	0	0	0	6	0	6	0	0	0		0
0	0	0	0	12	6	18	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	
0	0	0	0	2	0	2.6	2	0	2	2	0	2	0	0	0	2	0	2	2	0	0		0
20	20	0	0	30	30	70	20	0	20	20	20	20	10	10	0	20	20	10	20	0	20	Assumes 100% Liquid/Solid	
0	0	0	0	12	6	12	0	0	0	12	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	
0	0	0	0	6	12	6	0	0	0	6	6	6	0	0	0	6	0	6	0	0	0		0
0	0	0	0	6	12	6	12	0	0	0	0	0	0	0	0	12	0	0	0	0	12		0
0	0	0	0	118.8	0	126	0	0	118.8	82.8	10.8	0	0	0	0	54	0	10.8	0	0	0		0
20	20	0	0	30	30	70	20	0	20	20	20	20	10	10	0	20	20	10	20	0	20	Assumes 100% Liquid/Solid	
0	0	0	0	12	6	18	0	0	12	12	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	

0	0	0	0	6	6	6	0	0	6	12	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	
0	0	0	0	12	6	12	0	0	0	12	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	
0	0	0	0	12	6	18	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	
0	0	0	0	105.6	0	112	0	0	105.6	73.6	9.6	0	0	0	0	48	0	9.6	0	0	0		0
0	0	0	0	2.04	4.08	8.04	0	0	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	0	2.04	2.04	0	12		0
0	0	0	0	12	12	18	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	
0	0	0	0	6	6	6	0	0	6	12	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	
0	0	0	0	2.04	4.08	8.04	0	0	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	0	2.04	2.04	0	12		0
0	0	0	0	12	6	12	0	0	0	12	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	
0	0	0	0	12	6	18	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	
6.4	0	0	0	99.2	0	70.4	0	0	99.2	67.2	67.2	0	0	0	0	0	0	67.2	0	0	0	Estimated	
0	0	0	0	12	6	12	0	0	0	12	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	
0	0	0	0	2.04	4.08	8.04	0	0	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	0	2.04	2.04	0	12		0
0	0	0	0	145.2	0	154	0	0	145.2	101.2	13.2	0	0	0	0	66	0	13.2	0	0	0		0
12	12	0	0	24	18	36	12	0	12	12	12	12	12	12	12	12	12	12	12	0	12		0
0	0	0	0	12	6	18	0	0	12	12	0	0	0	0	0	0	0	12	0	0	0	estimated - Project W-320	
0	0	0	0	0	74	0	0	0	206	162	0	0	0	0	0	0	0	206	140	0	0		0
20	20	0	0	30	30	60	20	0	20	20	20	20	10	10	0	20	20	10	20	0	20	Assumes 100% Liquid/Solid	
0	0	0	0	2.04	4.08	8.04	0	0	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	0	2.04	2.04	0	12		0
88	88	0	0	132	132	264	88	0	88	88	88	88	44	44	0	88	88	44	88	0	88	Assumes 100% Liquid/Solid	
6	0	0	0	12	24	30	0	0	12	12	12	12	12	12	12	12	12	12	12	0	48		0
272.4	266	0	0	1523.36	894.32	2192.16	284	0	2067.36	1745.36	449.36	322.16	156.16	156.16	32.16	694.16	272	1353.36	858.16	0	368		
0	0	0	0	0	0	60	0	0	20	20	0	0	0	0	0	0	0	0	0	0	0	Does not include Environmental Analysis	
0	0	0	0	145.2	0	154	0	0	145.2	101.2	13.2	0	0	0	0	66	0	13.2	0	0	0		0
0	0	0	0	0	74	0	0	0	206	162	0	0	0	0	0	0	0	206	140	0	0		0
20	20	0	0	30	30	60	20	0	20	20	20	20	10	10	0	20	20	10	20	0	20	Assumes 100% Liquid/Solid	
0	0	0	0	4.08	8.16	16.08	0	0	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	0	4.08	4.08	0	24		0
4.8	0	0	0	74.4	0	52.8	0	0	74.4	50.4	50.4	0	0	0	0	0	0	50.4	0	0	0	Estimated	
0	0	0	0	2.04	4.08	8.04	0	0	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	0	2.04	2.04	0	12		0
0	0	0	0	2.04	4.08	8.04	0	0	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	0	2.04	2.04	0	12		0
0	0	0	0	171.6	0	182	0	0	171.6	119.6	15.6	0	0	0	0	78	0	15.6	0	0	0		0
60	60	0	0	90	90	180	60	0	60	60	60	60	30	30	0	60	60	30	60	0	60	Assumes 100% Liquid/Solid	
0	0	0	0	2.04	4.08	8.04	0	0	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	0	2.04	2.04	0	12		0
0	0	0	0	2.04	4.08	8.04	0	0	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	0	2.04	2.04	0	12		0
6	0	0	0	12	24	30	0	0	12	12	12	12	12	12	12	12	12	12	12	0	48		0
6	0	0	0	12	24	30	0	0	12	12	12	12	12	12	12	12	12	12	12	0	48		0
0	0	0	0	132	0	140	0	0	132	92	12	0	0	0	0	60	0	12	0	0	0		0
0	0	0	0	13.2	0	14	0	0	13.2	9.2	1.2	0	0	0	0	6	0	1.2	0	0	0		0
0	0	0	0	158.4	0	168	0	0	158.4	110.4	14.4	0	0	0	0	72	0	14.4	0	0	0		0
0	0	0	0	13.2	0	14	0	0	13.2	9.2	1.2	0	0	0	0	6	0	1.2	0	0	0		0
0	0	0	0	66	0	70	0	0	66	46	6	0	0	0	0	30	0	6	0	0	0		0
0	0	0	0	2.04	4.08	8.04	0	0	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	0	2.04	2.04	0	12		0
0	0	0	0	39.6	0	42	0	0	39.6	27.6	3.6	0	0	0	0	18	0	3.6	0	0	0		0
20	20	0	0	30	30	60	20	0	20	20	20	20	10	10	0	20	20	10	20	0	20	Assumes 100% Liquid/Solid	
20	20	0	0	30	30	60	20	0	20	20	20	20	10	10	0	20	20	10	20	0	20	Assumes 100% Liquid/Solid	
0	0	0	0	0	0	216	0	0	72	72	0	0	0	0	0	0	0	0	0	0	0	Does not include Environmental Analysis	
0	0	0	0	52.8	0	56	0	0	52.8	36.8	4.8	0	0	0	0	24	0	4.8	0	0	0		0
8.8	0	0	0	136.4	0	96.8	0	0	136.4	92.4	92.4	0	0	0	0	0	0	92.4	0	0	0	Estimated	
145.6	120	0	0	1221.08	330.56	1741.88	120	0	1459.08	1107.08	373.08	158.28	98.28	98.28	38.28	518.28	144	519.08	298.28	0	300		
5.6	0	0	0	86.8	0	61.6	0	0	86.8	58.8	58.8	0	0	0	0	0	0	58.8	0	0	0	Estimated	
0	0	0	0	158.4	0	168	0	0	158.4	110.4	14.4	0	0	0	0	72	0	14.4	0	0	0		0
6	0	0	0	12	24	30	0	0	12	12	12	12	12	12	12	12	12	12	12	0	48		0
0	0	0	0	13.2	0	14	0	0	13.2	9.2	1.2	0	0	0	0	6	0	1.2	0	0	0		0
0	0	0	0	26.4	0	28	0	0	26.4	18.4	2.4	0	0	0	0	12	0	2.4	0	0	0		0
0	0	0	0	145.2	0	154	0	0	145.2	101.2	13.2	0	0	0	0	66	0	13.2	0	0	0		0
0	0	0	0	105.6	0	112	0	0	105.6	73.6	9.6	0	0	0	0	48	0	9.6	0	0	0		0
0	0	0	0	105.6	0	112	0	0	105.6	73.6	9.6	0	0	0	0	48	0	9.6	0	0	0		0
0	0	0	0	26.4	0	28	0	0	26.4	18.4	2.4	0	0	0	0	12	0	2.4	0	0	0		0

0	0	0	0	24	0	24	0	0	24	0	0	0	0	0	0	8	0	0	0	0	0	Estimated	
20	20	0	0	20	30	10	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20		0
0	0	0	0	19.8	0	21	0	0	19.8	13.8	1.8	0	0	0	0	9	0	1.8	0	0	0		0
31.6	20	0	0	743.4	54	762.6	20	0	743.4	509.4	145.4	32	32	32	32	313	32	145.4	32	0	68		
0	0	0	0	26.4	0	28	0	0	26.4	18.4	2.4	0	0	0	0	12	0	2.4	0	0	0		0
0	0	0	0	12	0	12	0	0	12	0	0	0	0	0	0	4	0	0	0	0	0	Estimated	
20	20	0	0	20	30	10	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20		0
0	0	0	0	66	0	70	0	0	66	46	6	0	0	0	0	30	0	6	0	0	0		0
20	20	0	0	20	30	10	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20		0
0	0	0	0	39.6	0	42	0	0	39.6	27.6	3.6	0	0	0	0	18	0	3.6	0	0	0		0
20	20	0	0	40	30	60	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20		0
0	0	0	0	145.2	0	154	0	0	145.2	101.2	13.2	0	0	0	0	66	0	13.2	0	0	0		0
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated	
0	0	0	0	26.4	0	28	0	0	26.4	18.4	2.4	0	0	0	0	12	0	2.4	0	0	0		0
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated	
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated	
0	0	0	0	39.6	0	42	0	0	39.6	27.6	3.6	0	0	0	0	18	0	3.6	0	0	0		0
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated	
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated	
0	0	0	0	26.4	0	28	0	0	26.4	18.4	2.4	0	0	0	0	12	0	2.4	0	0	0		0
60	136	0	0	567.6	196	818	60	0	441.6	393.6	169.6	136	60	60	60	308	60	169.6	136	0	60		
20	20	0	0	30	30	60	20	0	20	20	20	20	10	10	0	20	20	10	20	0	20	Assumes 100% Liquid/Solid	
0	0	0	0	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated	
0	0	0	0	39.6	0	42	0	0	39.6	27.6	3.6	0	0	0	0	18	0	3.6	0	0	0		0
0	0	0	0	105.6	0	112	0	0	105.6	73.6	9.6	0	0	0	0	48	0	9.6	0	0	0		0
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated	
0	0	0	0	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated	
0	0	0	0	26.4	0	28	0	0	26.4	18.4	2.4	0	0	0	0	12	0	2.4	0	0	0		0
0	0	0	0	66	0	70	0	0	66	46	6	0	0	0	0	30	0	6	0	0	0		0
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated	
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated	
20	20	0	0	20	30	10	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20		0
0	0	0	0	39.6	0	42	0	0	39.6	27.6	3.6	0	0	0	0	18	0	3.6	0	0	0		0
0	0	0	0	52.8	0	56	0	0	52.8	36.8	4.8	0	0	0	0	24	0	4.8	0	0	0		0
20	20	0	0	20	30	10	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20		0
0	0	0	0	171.6	0	182	0	0	171.6	119.6	15.6	0	0	0	0	78	0	15.6	0	0	0		0
20	20	0	0	20	30	10	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20		0
0	0	0	0	26.4	0	28	0	0	26.4	18.4	2.4	0	0	0	0	12	0	2.4	0	0	0		0
0	0	0	0	132	0	140	0	0	132	92	12	0	0	0	0	60	0	12	0	0	0		0
0	0	0	0	39.6	0	42	0	0	39.6	27.6	3.6	0	0	0	0	18	0	3.6	0	0	0		0
0	0	0	0	52.8	0	56	0	0	52.8	36.8	4.8	0	0	0	0	24	0	4.8	0	0	0		0
20	20	0	0	40	30	60	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20		0
100	176	0	0	980.4	248	1274	100	0	852.4	700.4	244.4	176	90	90	80	518	100	234.4	176	0	100		
0	0	0	0	26.4	0	28	0	0	26.4	18.4	2.4	0	0	0	0	12	0	2.4	0	0	0		0
0	0	0	0	26.4	0	28	0	0	26.4	18.4	2.4	0	0	0	0	12	0	2.4	0	0	0		0
0	0	0	0	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated	
0	0	0	0	105.6	0	112	0	0	105.6	73.6	9.6	0	0	0	0	48	0	9.6	0	0	0		
0	0	0	0	118.8	0	126	0	0	118.8	82.8	10.8	0	0	0	0	54	0	10.8	0	0	0		
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated	
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated	
0	0	0	0	13.2	0	14	0	0	13.2	9.2	1.2	0	0	0	0	6	0	1.2	0	0	0		
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated	
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated	
0	0	0	0	26.4	0	28	0	0	26.4	18.4	2.4	0	0	0	0	12	0	2.4	0	0	0		
0	0	0	0	118.8	0	126	0	0	118.8	82.8	10.8	0	0	0	0	54	0	10.8	0	0	0		
20	20	0	0	20	30	10	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20		0
0	0	0	0	39.6	0	42	0	0	39.6	27.6	3.6	0	0	0	0	18	0	3.6	0	0	0		
20	20	0	0	20	30	10	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20		0
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated	
0	0	0	0	13.2	0	14	0	0	13.2	9.2	1.2	0	0	0	0	6	0	1.2	0	0	0		
0	0	0	0	13.2	0	14	0	0	13.2	9.2	1.2	0	0	0	0	6	0	1.2	0	0	0		

0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
20	20	0	0	20	30	10	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20	
60	136	0	0	693.6	222	922	60	0	561.6	485.6	181.6	136	60	60	60	364	60	181.6	136	0	60	
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated
0	0	0	0	13.2	0	14	0	0	13.2	9.2	1.2	0	0	0	0	6	0	1.2	0	0	0	
20	20	0	0	40	30	60	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20	
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated
20	172	0	0	225.2	202	702	20	0	33.2	181.2	173.2	172	20	20	20	178	20	173.2	172	0	20	
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
20	20	0	0	20	30	10	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20	
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
20	20	0	0	20	30	10	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20	
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
40	154	0	0	204	224	526	40	0	40	154	154	154	40	40	40	154	40	154	154	0	40	
20	20	0	0	20	30	10	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20	
0	0	0	0	0	74	0	0	0	206	162	0	0	0	0	0	0	0	206	140	0	0	
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
20	20	0	0	40	30	60	20	0	20	20	20	20	20	20	20	20	20	20	20	0	20	
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
40	192	0	0	262	336	728	40	0	246	354	192	192	40	40	40	192	40	398	332	0	40	
0	0	0	0	0	74	0	0	0	206	162	0	0	0	0	0	0	0	206	140	0	0	
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated
0	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	estimated
0	38	0	0	38	38	152	0	0	0	38	38	38	0	0	0	38	0	38	38	0	0	estimated



APPENDIX III

SOLID WASTE PROGRAM INPUTS

C-1-10

From: Christian_R_Haas@apexc.rl.gov
Sent: Thursday, December 18, 1997 1:46 PM
To: Thomas_G_Ibsen@apimc01.rl.gov
Cc: Kent_M_McDonald@apexc.rl.gov; Steven_M_Joyce@apimc01.rl.gov
Subject: Re: Sample Projections - May 1997 Data

tp/12/18/97 sm/12/97


MS Excel spreadsheetMS Excel spreadsheet

Tom,

Attached you will find the updated sample projections for all of Solid Waste Project- including CWC, MWT, and T Plant. In addition, Solid Waste Project has budgeted $148.8K for sampling activities in FY1998.

If you have any questions, please contact me or Kent.

Thanks,
Chris

_____ Reply Separator _____
Subject: Sample Projections - May 1997 Data
Author: Thomas_G_Ibsen@apimc01.rl.gov at ~EXCHANGE
Date: 12/11/97 7:43 AM

Chris,

Attached is the data from the May 1997 submittal (excel file, just modify it), and forms for sample and data management (wp5.1 format), and development samples (wp5.1 format) if they apply. A template (excel file) for the sample projections is also included if you want to start from scratch.

If you have any problems give me a call.

Tom
372-2095

From: Norman_P_Willis@apexc.rl.gov
Sent: Tuesday, December 23, 1997 12:00 PM
Cc: Steven_M_Joyce@apimc01.rl.gov; Thomas_G_Ibsen@apimc01.rl.gov
Subject: Re: Sample Projections - WRAP May 1997 Data


S Excel spreadshee


S Excel spreadshee

See attached files for the latest forecast.

Norm Willis

_____ Reply Separator _____
Subject: Sample Projections - WRAP May 1997 Data
Author: Thomas_G_Ibsen@apimc01.rl.gov at ~EXCHANGE
Date: 12/22/97 08:59 AM

Norm,

Attached are excel files with the May 1997 Wrap sample and funding projections and a blank template. Modification of the May data will likely be easier though.

Also included are WordPerfect (version 5.1) files with sample and data management information.

Please update the files you can and return them as soon as you can.

If you have any problems give me a call.

Tom
372-2095

597wrapf.xls **SW** **Program Sample Projection Funding**

	WRAP1	5/1/97	1998	2320	12
	WRAP1	5/1/97	1999	2320	28
	WRAP1	5/1/97	2000	2320	28
	WRAP1	5/1/97	2001	2320	28
	WRAP1	5/1/97	2002	2320	28
	WRAP1NDAOP	5/1/97	1998	2320	1157
	WRAP1NDAOP	5/1/97	1999	2320	1298
	WRAP1NDAOP	5/1/97	2000	2320	1348
	WRAP1NDAOP	5/1/97	2001	2320	1723
	WRAP1NDAOP	5/1/97	2002	2320	1768

wrap0597.xls

INPUT REQUEST FORM

PROGRAM SW

SUBPROGRAM Listed

RQMTID	SubProgramID	RqmtDDDate	RqmtYr	NoSamples	SampleMatrix	ScrtMatrix	ReqAnalyLevel	ReportRqmt	AnalAnomRqmt	TurnaroundRqmt	SpecHCSRqmt	SampDisposal	Protocol	LabType (Lab or Field)	VOA/SVOA	PEST/PCB	MTPH/OIL/GREASE	FLASHPOINT	OTHERORGANIC	ANIONS
	WRAP1	05/01/97	1998	4	SOLID	SOLID/SOIL	3	E	OTH	14		R	RCRA	Lab	4	4	0	0	4	4
	WRAP1	05/01/97	1998	2	SOLID	SOLID/SOIL	5	E	OTH	14		R	RCRA	Lab	2	2	0	0	2	2
	WRAP1	05/01/97	1998	4	LIQUID	LIQUID	3	E	OTH	14		R	RCRA	Lab	4	4	4	4	4	4
	WRAP1	05/01/97	1998	2	LIQUID	LIQUID	5	E	OTH	14		R	RCRA	Lab	2	2	2	2	2	2
	WRAP1	05/01/97	1998	20	SOLID	SOLID/SOIL	3	E	OTH	30			10CFR834	Lab	0	0	0	0	0	0
	WRAP1	05/01/97	1999	7	SOLID	SOLID/SOIL	3	E	OTH	14		R	RCRA	Lab	7	7	0	0	7	7
	WRAP1	*05/01/97*	*1999*	*3*	*SOLID*	*SOLID/SOIL*	*5*	*E*	*OTH*	*14*		R	RCRA	Lab	3	3	0	0	3	3
	WRAP1	05/01/97	1999	7	LIQUID	LIQUID	3	E	OTH	14		R	RCRA	Lab	7	7	7	7	7	7
	WRAP1	05/01/97	1999	3	LIQUID	LIQUID	5	E	OTH	14		R	RCRA	Lab	3	3	3	3	3	3
	WRAP1	05/01/97	1999	200	VAPOR	OTHER	3	E	OTH	14			RCRA	Field	0	0	0	0	675	0
	WRAP1	05/01/97	1999	26	SOLID	SOLID/SOIL	3	E	OTH	30			10CFR834	Lab	0	0	0	0	0	0
	WRAP1	05/01/97	2000	10	SOLID	SOLID/SOIL	3	E	OTH	14		R	RCRA	Lab	10	10	0	0	10	10
	WRAP1	05/01/97	2000	5	SOLID	SOLID/SOIL	5	E	OTH	14		R	RCRA	Lab	5	5	0	0	5	5
	WRAP1	05/01/97	2000	10	LIQUID	LIQUID	3	E	OTH	14		R	RCRA	Lab	10	10	10	10	10	10
	WRAP1	05/01/97	2000	5	LIQUID	LIQUID	5	E	OTH	14		R	RCRA	Lab	5	5	5	5	5	5
	WRAP1	*05/01/97*	*2000*	*500*	VAPOR	OTHER	3	E	OTH	14			RCRA	Field	0	0	0	0	500	0

HNF-SD-WM-TI-608 Rev. 6

RQMTID	SubProgramID	RqmtIDDate	RqmtYr	NoSamples	SampleMatrix	SortMatrix	RetentionLevel	ReportRqmt	NotificationRqmt	TurnaroundRqmt	SpecialQCRqmts	SampleDisposal	Protocol	LabType (Lab or Field)	VOA/SVOA	PEST/PCB	NYTPH/OIL/GREASE	FLASHPOINT	OTHERORGANIC	ANIONS
	WRAP1	05/01/97	2000	26	SOLID	SOLID/SOIL	3	E	OTH	30			10CFR834	Lab	0	0	0	0	0	0
	WRAP1	05/01/97	2001	15	SOLID	SOLID/SOIL	3	E	OTH	14		R	RCRA	Lab	15	15	0	0	15	15
	WRAP1	05/01/97	2001	5	SOLID	SOLID/SOIL	5	E	OTH	14		R	RCRA	Lab	5	5	0	0	5	5
	WRAP1	05/01/97	2001	15	LIQUID	LIQUID	3	E	OTH	14		R	RCRA	Lab	15	15	15	15	15	15
	WRAP1	05/01/97	2001	5	LIQUID	LIQUID	5	E	OTH	14		R	RCRA	Lab	5	5	5	5	5	5
	WRAP1	05/01/97	2001	600	VAPOR	OTHER	3	E	OTH	14			RCRA	Field	0	0	0	0	600	0
	WRAP1	05/01/97	2001	26	SOLID	SOLID/SOIL	3	E	OTH	30			10CFR834	Lab	0	0	0	0	0	0
	WRAP1	05/01/97	2002	15	SOLID	SOLID/SOIL	3	E	OTH	14		R	RCRA	Lab	15	15	0	0	15	15
	WRAP1	05/01/97	2002	5	SOLID	SOLID/SOIL	5	E	OTH	14		R	RCRA	Lab	5	5	0	0	5	5
	WRAP1	05/01/97	2002	15	LIQUID	LIQUID	3	E	OTH	14		R	RCRA	Lab	15	15	15	15	15	15
	WRAP1	05/01/97	2002	5	LIQUID	LIQUID	5	E	OTH	14		R	RCRA	Lab	5	5	5	5	5	5
	WRAP1	05/01/97	2002	600	VAPOR	OTHER	3	E	OTH	14			RCRA	Field	0	0	0	0	600	0
	WRAP1	05/01/97	2002	26	SOLID	SOLID/SOIL	3	E	OTH	30			10CFR834	Lab	0	0	0	0	0	0
	WRAP1NDAOP	05/01/97	1998	3750	DRUM	OTHER	3	E	OTH	7			WIPP	Lab	0	0	0	0	0	0
	WRAP1NDAOP	05/01/97	1998	1250	DRUM	OTHER	7	E	OTH	7			WIPP	Lab	0	0	0	0	0	0
	WRAP1NDAOP	05/01/97	1999	3750	DRUM	OTHER	3	E	OTH	7			WIPP	Lab	0	0	0	0	0	0
	WRAP1NDAOP	05/01/97	1999	1250	DRUM	OTHER	7	E	OTH	7			WIPP	Lab	0	0	0	0	0	0
	WRAP1NDAOP	05/01/97	2000	3750	DRUM	OTHER	3	E	OTH	7			WIPP	Lab	0	0	0	0	0	0
	WRAP1NDAOP	05/01/97	2000	1250	DRUM	OTHER	7	E	OTH	7			WIPP	Lab	0	0	0	0	0	0
	WRAP1NDAOP	05/01/97	2001	3750	DRUM	OTHER	3	E	OTH	7			WIPP	Lab	0	0	0	0	0	0
	WRAP1NDAOP	05/01/97	2001	1250	DRUM	OTHER	7	E	OTH	7			WIPP	Lab	0	0	0	0	0	0
	WRAP1NDAOP	05/01/97	2002	3750	DRUM	OTHER	3	E	OTH	7			WIPP	Lab	0	0	0	0	0	0
	WRAP1NDAOP	05/01/97	2002	1250	DRUM	OTHER	7	E	OTH	7			WIPP	Lab	0	0	0	0	0	0

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RQMTID	SubProgramID	RqmtDDate	RqmtYr	NoSamples	SampleMatrix	SortMatrix	EvaluationLevel	ReportRqmt	NotificationRqmt	TurnaroundRqmt	SpecialQCRqmts	SampleDisposal	Protocol	LabType (Lab or Field)	VOA/SVOA	PEST/PCB	WTPH/OILGREASE	FLASHPOINT	OTHERORGANIC	ANIONS
	WRAP1	05/01/97	1998	0	LIQUID	LIQUID	7	E	OTH	14		R	WIPP	Lab	0	0	0	0	0	0
	WRAP1	05/01/97	1999	7	LIQUID	LIQUID	7	E	OTH	14		R	WIPP	Lab	7	7	7	7	7	7
	WRAP1	05/01/97	2000	30	LIQUID	LIQUID	7	E	OTH	14		R	WIPP	Lab	30	30	30	30	30	30
	WRAP1	05/01/97	2001	39	LIQUID	LIQUID	7	E	OTH	14		R	WIPP	Lab	39	39	39	39	39	39
	WRAP1	05/01/97	2002	39	LIQUID	LIQUID	7	E	OTH	14		R	WIPP	Lab	39	39	39	39	39	39

METALS	DSC/TGA	WETCHEM	TIC/TOC	CN	HG	CR-VI	TCLP	DENSITY/SPG	PHCONDIOH	OTHERINORGANICS	MASS SPEC	ASBESTOS	AT/TB	GEA	U	AM-241	C-14	H-3	I-129	PU-238/239/240	SE-79	SR-90	TC-99	NDA	OTHERRADIOCHEM	COMMENT
4	0	0	0	4	4	4	4	0	4	4	0	0	4	0	0	0	0	0	0	4	0	0	0	4	4	
2	0	0	0	2	2	2	2	0	2	2	0	0	2	0	0	0	0	0	0	2	0	0	0	2	2	
4	0	0	4	4	4	4	0	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	4	4	
2	0	0	2	2	2	2	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2	
0	0	0	0	0	0	0	0	0	0	0	0	0	20	3	0	3	0	0	0	3	3	0	0	0	3	NESHAPs STACK SAMPLES
7	0	0	0	7	7	7	7	0	7	7	0	0	7	0	0	0	0	0	0	7	0	0	0	7	7	
3	0	0	0	3	3	3	3	0	3	3	0	0	3	0	0	0	0	0	0	3	0	0	0	3	3	
7	0	0	7	7	7	7	0	7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	7	7	
3	0	0	3	3	3	3	0	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	3	3	
0	0	0	675	0	0	0	0	0	0	0	675	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HEAD GAS SAMPLES
0	0	0	0	0	0	0	0	0	0	0	0	0	26	4	0	4	0	0	0	4	4	0	0	0	4	NESHAPs STACK SAMPLES
10	0	0	0	10	10	10	10	0	10	10	0	0	10	0	0	0	0	0	0	10	0	0	0	10	10	
5	0	0	0	5	5	5	5	0	5	5	0	0	5	0	0	0	0	0	0	5	0	0	0	5	5	
10	0	0	10	10	10	10	0	10	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	10	10	
5	0	0	5	5	5	5	0	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	5	5	
0	0	0	500	0	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HEAD GAS SAMPLES

METALS	DSC/TGA	VIETCHEM	TIC/TOC	CN	HG	CR-VI	TCLP	DENSITY/SPG	PH/CONDUCH	OTHERINORGANICS	MASS SPEC	ASBESTOS	ATTIB	GEA	U	AM-241	C-14	H-3	I-129	PU-238/239/240	SE-79	SR-90	TC-99	NDA	OTHERRADIOCHEM	COMMENT
0	0	0	0	0	0	0	0	0	0	0	0	0	26	4	0	4	0	0	0	4	4	0	0	0	4	NESHAPs STACK SAMPLES
15	0	0	0	15	15	15	15	0	15	15	0	0	15	0	0	0	0	0	0	15	0	0	0	15	15	
5	0	0	0	5	5	5	5	0	5	5	0	0	5	0	0	0	0	0	0	5	0	0	0	5	5	
15	0	0	15	15	15	15	0	15	15	15	15	0	0	0	0	0	0	0	0	0	0	0	0	15	15	
5	0	0	5	5	5	5	0	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	5	5	
0	0	0	600	0	0	0	0	0	0	0	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HEAD GAS SAMPLES
0	0	0	0	0	0	0	0	0	0	0	0	0	26	4	0	4	0	0	0	4	4	0	0	0	4	NESHAPs STACK SAMPLES
15	0	0	0	15	15	15	15	0	15	15	0	0	15	0	0	0	0	0	0	15	0	0	0	15	15	
5	0	0	0	5	5	5	5	0	5	5	0	0	5	0	0	0	0	0	0	5	0	0	0	5	5	
15	0	0	15	15	15	15	0	15	15	15	15	0	0	0	0	0	0	0	0	0	0	0	0	15	15	
5	0	0	5	5	5	5	0	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	5	5	
0	0	0	600	0	0	0	0	0	0	0	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HEAD GAS SAMPLES
0	0	0	0	0	0	0	0	0	0	0	0	0	26	4	0	4	0	0	0	4	4	0	0	0	4	NESHAPs STACK SAMPLES
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7500	0	NDE and NDA analysis of each drum
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2500	0	NDE and NDA analysis of each drum
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7500	0	NDE and NDA analysis of each drum
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2500	0	NDE and NDA analysis of each drum
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7500	0	NDE and NDA analysis of each drum
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2500	0	NDE and NDA analysis of each drum
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7500	0	NDE and NDA analysis of each drum
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2500	0	NDE and NDA analysis of each drum
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7500	0	NDE and NDA analysis of each drum
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2500	0	NDE and NDA analysis of each drum

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METALS	DSCITGA	WETCHEM	TOTOC	CN	HG	CR-VI	TCLP	DENSITY/SPG	PHCONDOH	OTHERINORGANICS	MASS SPEC	ASBESTOS	ATTB	GEA	U	AM-241	C-14	H-3	I-129	PU-239/240	SE-79	SR-90	TC-99	NDA	OTHERRADIOCHEM	COMMENT
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TRU WIPP compliance
7	0	0	7	7	7	7	0	7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	7	7	TRU WIPP compliance
30	0	0	30	30	30	30	0	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	30	30	TRU WIPP compliance
39	0	0	39	39	39	39	0	39	39	39	39	0	0	0	0	0	0	0	0	0	0	0	0	39	39	TRU WIPP compliance
39	0	0	39	39	39	39	0	39	39	39	39	0	0	0	0	0	0	0	0	0	0	0	0	39	39	TRU WIPP compliance

APPENDIX IV

LIQUID EFFLUENTS PROGRAM INPUTS

D-1-11

From: Phillip_M_Phil_Olson@apexc.rl.gov
Sent: Tuesday, December 02, 1997 3:32 PM
To: Thomas_G_Ibsen@apimc01.rl.gov
Cc: Michael_J_Brown@apexc.rl.gov; Brian_H_Von_Bargen@apexc.rl.gov
Subject: Sample Projections - 200 Liquid Effluent May 1997 Data

S Excel spreadshee

The attached file is our best estimate for sample projections.

Phil Olson

Forward Header

Subject: Sample Projections - 200 Liquid Effluent May 1997 Data
Author: Brian H Von Bargen at ~HANFORD05E
Date: 12/1/97 8:38 AM

Phil,

Remember this biannual requirement? Looks like its coming around again. I'll stop by and we'll figure out how we want to update this.

Brian

Forward Header

Subject: Sample Projections - 200 Liquid Effluent May 1997 Data
Author: Thomas_G_Ibsen@apimc01.rl.gov at ~EXCHANGE
Date: 11/26/97 12:03 PM

Brian,

Steve Lowe said that you are the contact for the 200 area liquid effluents program for sample projections. I've sent you a copy of the letter requesting input that was sent to each company. Attached is the May 1997 data that you can just update if there are any changes.

The input was due 11/21/97 so please provide what you can as soon as possible.

Thanks, Tom
372-2095

From: Ibsen, Thomas G
Sent: Friday, January 16, 1998 12:06 PM
To: Joyce, Steven M
Subject: FW: Sample Projections

Steve,

Liquid Effluents 300 area projections.

Tom

-----Original Message-----
From: Lisa_D_Berneski@apexc.rl.gov [SMTP:Lisa_D_Berneski@apexc.rl.gov]
Sent: Wednesday, December 03, 1997 2:20 PM
To: Thomas_G_Ibsen@apimc01.rl.gov
Cc: Dale_L_Halgren@apexc.rl.gov
Subject: Sample Projections

Dale Halgren forwarded me the Excel File to update. If you have any questions, give me a call on 373-1112.

S Excel spreadshee

Lisa

200L1297.

INPUT REQUEST FORM
PROGRAM LE
SUBPROGRAM Listed

SubProgramID	ReqmtIDDate	ReqmtYr	NoSamples	SampleMatrix	SortMatrix	RadiationLevel	ReportReqmt	NotificationReqmt	TurnaroundReqmt	SpecialQCReqmt	SampleDisposal	Protocol	LabType (Lab or Field)	VOA/SVOA	PEST/PCB	TPH/OIL/GREASE	FLASHPOINT	OTHERORGANIC	ANIONS	METALS	DSC/TGA	WETCHEM	TIC/TOC	CN	HG	CR-VI	TCLP	DENSITY/SPG	PH/COND/ION	OTHERINORGANICS	MASS SPEC	ASBESTOS	AT/TB	GEA	U	AM-241	C-14	H-3	I-129	PU-238/239/240	SE-79	SR-90	TC-99	NDA	OTHERRADIOCHEM	COMMENT
200LEFTEDFGW	12/02/97	1998	16	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30			RCRA	Lab	16	0	16	0	0	0	16	0	0	0	0	16	0	0	0	16	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16	FUNDED BY LWPF PROGRAM
200LEFTEDFGW	12/02/97	1998	20	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30			RCRA	Lab	20	0	20	0	0	20	20	0	20	20	20	20	0	0	0	20	20	20	0	20	0	0	0	0	0	0	0	0	0	0	0	20	FUNDED BY LWPF PROGRAM
200LEFTEDFGW	12/02/97	1998	64	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	1			RCRA	FIELD	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFTEDFPC	12/02/97	1998	12	WATER	LIQUID	1	LAB SUMMARY		30			RCRA	Lab	12	0	12	0	0	12	12	0	12	0	12	12	0	0	0	0	0	12	0	12	12	0	0	0	0	0	0	0	12	0	0	12	FUNDED BY LWPF PROGRAM
200LEFTEDFPC	12/02/97	1998	12	WATER	LIQUID	1	LAB SUMMARY		30			RCRA	Lab	12	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFTEDFEOP	12/02/97	1998	30	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30			RCRA	Lab	30	0	30	0	0	30	30	0	30	0	30	30	0	0	0	0	0	30	0	30	30	0	0	0	0	0	0	0	30	0	0	30	FUNDED BY LWPF PROGRAM
200LEFTEDFEOP	12/02/97	1998	18	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30			RCRA	Lab	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFTEDFEOP	12/02/97	1998	20	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30			RCRA	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	20	FUNDED BY LWPF PROGRAM
200LEFTEDFEOP	12/02/97	1998	30	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30			RCRA	Lab	30	0	0	0	0	30	30	0	0	0	30	30	0	0	0	0	0	30	0	30	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFTEDFEOP	12/02/97	1998	56	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30			RCRA	Lab	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFVERIFTK	12/02/97	1998	64	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	6			RCRA	Lab	64	0	0	0	0	64	64	0	64	64	64	64	0	0	0	64	64	64	0	64	64	64	0	0	64	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFVERIFTK	12/02/97	1998	68	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	6			RCRA	Lab	68	0	0	0	0	68	68	0	0	68	68	68	0	0	0	68	68	68	0	68	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFVERIFTK	12/02/97	1998	64	WATER	LIQUID	3	LAB SUMMARY	ACTION LIMITS	14			RCRA	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	64	0	64	64	0	64	64	0	64	FUNDED BY LWPF PROGRAM
200LEFETFVERIFTK	12/02/97	1998	68	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	6			RCRA	Lab	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFPC	12/02/97	1998	104	WATER	LIQUID	2	LAB SUMMARY		6			RCRA	Lab	104	0	0	0	0	104	104	0	104	0	0	104	0	0	104	104	104	104	0	104	104	104	0	0	0	0	0	0	104	104	0	104	FUNDED BY LWPF PROGRAM
200LEFETFPC	12/02/97	1998	82	WATER	LIQUID	2	LAB SUMMARY		6			RCRA	Lab	0	0	0	0	0	0	0	0	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFPC	12/02/97	1998	104	WATER	LIQUID	2	LAB SUMMARY		6			RCRA	Lab	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFPC	12/02/97	1998	416	WATER	LIQUID	2	LAB SUMMARY		6			RCRA	Lab	0	0	0	0	0	0	0	0	416	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFGW	12/02/97	1998	24	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30			RCRA	Lab	24	0	0	0	0	24	24	0	24	0	0	24	0	0	0	24	24	24	0	24	0	24	0	0	24	0	0	0	24	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFGW	12/02/97	1998	29	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30			RCRA	Lab	29	0	0	0	0	0	29	0	0	0	0	29	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFGW	12/02/97	1998	112	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	1			RCRA	FIELD	0	0	0	0	0	0	0	0	112	0	0	0	0	0	0	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFGW	12/02/97	1998	29	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30			RCRA	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFLERFCOMP	12/02/97	1998	31	WATER	LIQUID	2	LAB SUMMARY		30			RCRA	Lab	31	0	0	0	0	31	31	0	31	31	31	31	0	0	0	31	31	31	0	31	31	31	31	31	31	31	31	0	31	31	0	31	FUNDED BY LWPF PROGRAM
200LEFLERFCOMP	12/02/97	1998	72	WATER	LIQUID	2	LAB SUMMARY		30			RCRA	Lab	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFLERFCOMP	12/02/97	1998	24	WATER	LIQUID	2	LAB SUMMARY		30			RCRA	Lab	24	0	0	0	0	0	24	0	0	0	0	24	0	0	0	24	0	24	0	24	24	24	24	24	24	24	24	0	24	24	0	24	FUNDED BY LWPF PROGRAM
200LEFLERFCOMP	12/02/97	1999	42	WATER	LIQUID	2	LAB SUMMARY		30			RCRA	Lab	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFLERFPC	12/02/97	1998	48	WATER	LIQUID	2	LAB SUMMARY		30			RCRA	Lab	48	0	0	0	0	48	48	0	0	0	0	48	0	0	0	0	0	48	0	0	0	0	0	0	0	0	0	0	0	48	0	0	FUNDED BY LWPF PROGRAM
200LEFLERFPC	12/02/97	1998	48	WATER	LIQUID	2	LAB SUMMARY		30			RCRA	Lab	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETF2NOWASTE	12/02/97	1998	33	WATER	LIQUID	3	LAB SUMMARY		30			RCRA	Lab	33	0	0	0	0	33	33	0	33	33	33	33	0	0	33	33	33	33	0	33	33	33	33	33	33	33	33	0	33	33	0	33	FUNDED BY LWPF PROGRAM
200LEFETF2NOWASTE	12/02/97	1998	27	WATER	LIQUID	3	LAB SUMMARY		30			RCRA	Lab	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETF2NOWASTE	12/02/97	1998	48	SOLID		3	LAB SUMMARY		30			RCRA	Lab	0	0	0	0	0	0	48	0	0	0	0	48	0	48	0	48	0	48	0	48	48	48	0	0	0	0	48	0	48	48	0	0	FUNDED BY LWPF PROGRAM
242A FEEDTANKS	12/02/97	1998	6	WATER	LIQUID	0			100			RCRA	Lab	6	0	0	0	0	6	6	6	6	6	0	0	0	0	6	6	6	6	0	6	6	6	6	6	6	6	6	6	6	6	0	6	SAMP/ANAL FUNDED BY TWRS CHARACT. PROG.
242AFEEDSTREAM	12/02/97	1998	6	WATER	LIQUID	0			7			PROCESS CONTROL	Lab	0	0	0	0	0	6	6	2	6	6	0	0	0	0	0	6	6	6	0	6	0	2	0	2	2	2	6	2	6	2	0	2	
242ASLURRYSTREAM	12/02/97	1998	6	WATER	LIQUID	0			7			PROCESS CONTROL	Lab	0	0	0	0	0	6	6	2	6	6	0	0	0	0	0	6	6	6	0	6	0	2	0	2	2	2	6	2	6	2	0	2	
242APROCESSCOND	12/02/97	1999	3	WATER	LIQUID	2			7			PROCESS CONTROL	Lab	0	0	0	0	0	3	0	0	3	3	0	0	0	0	0	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3	0	3	
242ASTEAMCOND	12/02/97	1998	20	WATER	LIQUID	2			16 hours			PROCESS CONTROL	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
242ASTEAMCOND	12/02/97	1998	1	WATER	LIQUID	2			30			RCRA	Lab	1	0	1	0	0	1	1	0	1	0	1	1	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	1	0	0	1	
242ACOOLINGWATER	12/02/97	1999	1	WATER	LIQUID	2			30			RCRA	Lab	1	0	1	0	0	1	1	0	1	0	1	1	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	1	0	0	1	
242ABOILERDISCHARGE	12/02/97	1998	2	WATER	LIQUID	1			30			RCRA	Lab	0	0	0	0	0	2	2	0	2	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SAMP/ANAL FUNDED BY JCI
200LEFTEDFGW	12/02/97	1999	16	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30			RCRA	Lab	16	0	16	0	0	0	16	0	0	0	0	16	0	0	0	16	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16	FUNDED BY LWPF PROGRAM

METID	SubProjectNo	SampleNumber	SampleNo	SampleMatrix	SampleState	SampleSource	SampleType	SampleTypeDesc	TestNumber	TestReason	TestReasonDesc	TaskCode	TaskCodeDesc	AnalysisLab	AnalysisProtocol	AnalysisProtocolDesc	AnalysisPriority	AnalysisPriorityDesc	AnalysisRequestDate	AnalysisDueDate	AnalysisReceivedDate	AnalysisCost	ActualSampleDate	ActualSampleTime	ActualSampleDuration	ActualSampleDurationUnits	ActualSampleVolume	ActualSampleVolumeUnits	ActualSampleWeight	ActualSampleWeightUnits	ActualSampleDepth	ActualSampleDepthUnits	ActualSampleDepthDesc	ActualSampleDepth2	ActualSampleDepth2Units	ActualSampleDepth2Desc	Comment
	200LEF1EDF01	1292/97	1999	79	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	29	0	29	0	29	29	29	29	29	29	29	0													FUNDED BY LWPF PROGRAM
	200LEF1EDF01R	1293/97	1999	44	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	5				RCRA	FIELD	0	0	0	0	0	0	0	0	0	0	0	0													FUNDED BY LWPF PROGRAM
	200LEF1EDF0C	1293/97	1999	12	WATER	LIQUID	1	LAB SUMMARY		30				RCRA	Lab	13	0	13	0	0	13	13	0	12	0	13	12	0	0	0	0	0	13	0	13	13	0	0	0	0	0	0	12	0	0	13	FUNDED BY LWPF PROGRAM
	200LEF1EDF0C	1293/97	1999	12	WATER	LIQUID	1	LAB SUMMARY		30				RCRA	Lab	12	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0DP	1292/97	1999	58	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	39	0	39	0	0	39	39	0	39	0	39	39	0	0	0	0	0	39	0	39	39	0	0	0	0	0	0	39	0	0	39	FUNDED BY LWPF PROGRAM
	200LEF1EDF0DP	1292/97	1999	13	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	9	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0DP	1293/97	1999	58	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0DP	1293/97	1999	58	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	99	0	0	0	0	99	99	0	0	0	99	99	0	0	0	0	0	99	0	99	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0DP	1293/97	1999	44	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0DPFA	1292/97	1999	58	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	4				RCRA	Lab	64	0	0	0	0	64	64	0	64	64	64	64	0	0	0	0	0	64	64	64	0	64	64	0	0	0	0	64	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0DPFA	1293/97	1999	58	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	5				RCRA	Lab	58	0	0	0	0	58	58	0	58	58	58	58	0	0	0	0	0	58	58	58	0	58	58	0	0	0	0	58	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0DPFA	1292/97	1999	64	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	15				RCRA	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	64	0	64	64	0	64	64	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0DPFA	1293/97	1999	58	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	5				RCRA	Lab	58	0	0	0	0	58	58	0	58	58	58	58	0	0	0	0	0	58	58	58	0	58	58	0	0	0	0	58	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0C	1292/97	1999	184	WATER	LIQUID	2	LAB SUMMARY		4				RCRA	Lab	184	0	0	0	184	184	184	0	184	0	0	184	0	0	184	184	184	184	0	184	184	0	0	0	0	0	0	184	184	0	184	FUNDED BY LWPF PROGRAM
	200LEF1EDF0C	1293/97	1999	62	WATER	LIQUID	2	LAB SUMMARY		5				RCRA	Lab	0	0	0	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0C	1292/97	1999	166	WATER	LIQUID	2	LAB SUMMARY		5				RCRA	Lab	0	0	0	0	0	0	0	0	166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0C	1292/97	1999	416	WATER	LIQUID	1	LAB SUMMARY		5				RCRA	Lab	0	0	0	0	0	0	0	0	416	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0W	1292/97	1999	24	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	24	0	0	0	0	24	24	0	24	0	0	24	0	0	0	0	0	24	24	24	0	24	0	0	0	0	0	24	0	0	24	FUNDED BY LWPF PROGRAM
	200LEF1EDF0W	1292/97	1999	29	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	29	0	0	0	0	29	0	0	0	0	0	29	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0W	1292/97	1999	112	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	1				RCRA	FIELD	0	0	0	0	0	0	0	0	112	0	0	0	0	0	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0W	1292/97	1999	29	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0WP	1292/97	1999	31	WATER	LIQUID	3	LAB SUMMARY		30				RCRA	Lab	31	0	0	0	0	31	31	0	31	31	31	31	0	0	0	0	0	31	31	31	0	31	31	0	0	0	0	31	31	0	31	FUNDED BY LWPF PROGRAM
	200LEF1EDF0WP	1292/97	1999	32	WATER	LIQUID	2	LAB SUMMARY		30				RCRA	Lab	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0WP	1292/97	1999	24	WATER	LIQUID	3	LAB SUMMARY		30				RCRA	Lab	24	0	0	0	0	24	0	0	0	0	0	24	0	0	0	0	0	24	24	24	0	24	24	0	0	0	0	24	24	0	24	FUNDED BY LWPF PROGRAM
	200LEF1EDF0WP	1292/97	1999	42	WATER	LIQUID	3	LAB SUMMARY		30				RCRA	Lab	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0WP	1292/97	1999	48	WATER	LIQUID	3	LAB SUMMARY		30				RCRA	Lab	48	0	0	0	48	48	0	0	0	0	0	48	0	0	0	0	0	48	0	0	0	0	0	0	0	0	0	48	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0WQ	1292/97	1999	48	WATER	LIQUID	3	LAB SUMMARY		30				RCRA	Lab	48	0	0	0	0	48	0	0	0	0	0	48	0	0	0	0	0	48	0	0	0	0	0	0	0	0	0	48	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF2WQMIXSTE	1292/97	1999	33	WATER	LIQUID	3	LAB SUMMARY		30				RCRA	Lab	33	0	0	0	0	33	33	0	33	33	33	33	0	0	0	0	0	33	33	33	0	33	33	0	0	0	0	33	33	0	33	FUNDED BY LWPF PROGRAM
	200LEF1EDF2WQMIXSTE	1292/97	1999	37	WATER	LIQUID	3	LAB SUMMARY		30				RCRA	Lab	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF2WQMIXSTE	1292/97	1999	48	SOLID		3	LAB SUMMARY		30				RCRA	Lab	0	0	0	0	0	48	0	0	0	0	0	48	48	0	0	0	0	48	0	48	48	0	0	0	0	0	0	48	48	0	48	FUNDED BY LWPF PROGRAM
	242XFE1EDF0XWS	1293/97	1999	13	WATER	LIQUID	6			100				RCRA	Lab	12	0	0	0	0	12	12	12	13	0	0	0	0	0	12	12	12	12	0	13	13	13	12	12	12	12	0	12	12	0	12	SAMPLE WILL FUNDED BY TWRS CHARACT. PROG.
	242XFE1EDF0XRAW	1292/97	1999	12	WATER	LIQUID	6			7				PROCESS CONTROL	Lab	0	0	0	0	0	12	12	0	13	12	0	0	0	0	12	12	12	12	0	13	13	0	12	0	4	0	12	4	12	0	4	
	242XFE1EDF0XTRAM	1292/97	1999	10	WATER	LIQUID	6			7				PROCESS CONTROL	Lab	0	0	0	0	0	12	12	0	12	12	0	0	0	0	13	13	13	13	0	13	13	0	12	0	4	0	12	4	12	0	4	
	242XFR0DES1STGND	1292/97	1999	4	WATER	LIQUID	2			3				PROCESS CONTROL	Lab	0	0	0	0	0	4	4	0	4	4	0	0	0	0	4	4	4	4	0	4	4	0	4	0	4	0	4	4	4	0	4	
	242XFR1EDF0WSND	1293/97	1999	3	WATER	LIQUID	2			3				RCRA	Lab	3	0	0	0	0	3	3	0	3	2	2	2	0	0	0	0	0	2	0	2	2	0	0	0	0	0	0	3	0	0	2	
	243XDDDBLWWATER	1293/97	1999	3	WATER	LIQUID	2			30				RCRA	Lab	4	0	3	0	0	3	3	0	3	3	2	3	0	0	0	0	0	3	0	3	3	0	0	0	0	0	0	3	0	0	3	
	243XFBOILEDDISCHARGE	1292/97	1999	3	WATER	LIQUID	6			30				RCRA	Lab	0	0	0	0	0	3	3	0	3	3	3	3	0	0	0	0	0	3	0	3	3	0	0	0	0	0	0	3	0	0	3	SAMPLING FUNDED BY 200
	200LEF1EDF0GW	1294/97	2000	16	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	16	0	16	0	0	16	16	0	16	0	16	16	0	0	0	0	0	16	0	16	16	0	0	0	0	0	0	16	0	0	16	FUNDED BY LWPF PROGRAM
	200LEF1EDF0GW	1294/97	2000	29	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	29	0	29	0	0	29	29	0	29	29	29	29	0	0	0	0	0	29	29	29	0	29	0	0	0	0	0	0	0	0	29	FUNDED BY LWPF PROGRAM
	200LEF1EDF0GW	1293/97	2000	64	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	1				RCRA	FIELD	0	0	0	0	0	0	0	0	64	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0C	1294/97	2000	12	WATER	LIQUID	1	LAB SUMMARY		30				RCRA	Lab	12	0	12	0	0	12	12	0	12	0	12	12	0	0	0	0	0	12	12	12	0	12	0	0	0	0	0	12	0	0	12	FUNDED BY LWPF PROGRAM
	200LEF1EDF0C	1294/97	2000	12	WATER	LIQUID	1	LAB SUMMARY		30				RCRA	Lab	12	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0DP	1294/97	2000	30	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	30	0	30	0	0	30	30	0	30	0	30	30	0	0	0	0	0	30	0	30	30	0	0	0	0	0	0	30	0	0	30	FUNDED BY LWPF PROGRAM
	200LEF1EDF0DP	1293/97	2000	13	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0DP	1293/97	2000	28	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	28	FUNDED BY LWPF PROGRAM
	200LEF1EDF0DP	1294/97	2000	99	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	99	0	0	0	0	99	99	0	0	0	99	99	0	0	0	0	0	99	0	99	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
	200LEF1EDF0DP	1294/97	2000	68	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	Lab	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM

SAMPNO	SetNoProgramID	SampleDate	RepNO	AnSample	SampleMatrix	SolidMatrix	SubSampleNo	SampleType	SubSampleRow	SubSampleCol	SubSampleDepth	SampleDepthUnit	SampleComments	SampleRegional	SampleLocation	LabPrepStatus	SOLIDITY	PESTICIDE	HYDROLYSABLE	PLUTONIUM	HYDROXAMIC	METALS	ISOTOPIC	METHYLENE	PCB	TPH	GEN	RCRA	ACIDITY	ANIONS	ASBESTOS	MERCURY	ETFE	SEA	ANION	SVOC	VOC	PCB/PESTICIDE	BETA	GROSS	TOTAL	NON	HYDROSCREEN	COMMENT
200LEF61FVERIFIC	1240297	2000	66	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	5						RORA	Lab	66	0	0	0	0	0	66	66	66	0	0	0	66	66	66	0	66	66	66	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61FVERIFIK	1240297	2000	66	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	10						RORA	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61FVERIFIK	1240297	2000	66	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	5						RORA	Lab	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61TPC	1240297	2000	166	WATER	LIQUID	2	LAB SUMMARY		5						RORA	Lab	166	0	0	0	0	166	166	0	166	0	0	166	0	0	0	0	166	166	166	166	0	166	166	166	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61TPC	1240297	2000	62	WATER	LIQUID	2	LAB SUMMARY		5						RORA	Lab	0	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61TPC	1240297	2000	166	WATER	LIQUID	2	LAB SUMMARY		5						RORA	Lab	0	0	0	0	0	166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61TPC	1240297	2000	416	WATER	LIQUID	2	LAB SUMMARY		5						RORA	Lab	0	0	0	0	0	0	416	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61TFDW	1240297	2000	24	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30						RORA	Lab	24	0	0	0	0	24	24	0	24	0	0	0	24	24	24	0	24	0	24	0	0	0	24	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61TFDW	1240297	2000	29	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30						RORA	Lab	29	0	0	0	0	29	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61TFDW	1240297	2000	112	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	1						RORA	FIELD	0	0	0	0	0	0	112	0	0	0	0	0	0	0	112	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61TFDW	1240297	2000	29	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30						RORA	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61FVDUP	1240297	2000	33	WATER	LIQUID	2	LAB SUMMARY		30						RORA	Lab	33	0	0	0	0	33	33	0	33	0	0	33	33	33	33	0	33	33	33	33	0	33	33	33	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61FVDUP	1240297	2000	22	WATER	LIQUID	2	LAB SUMMARY		30						RORA	Lab	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61FVDUP	1240297	2000	24	WATER	LIQUID	2	LAB SUMMARY		30						RORA	Lab	24	0	0	0	0	24	0	0	0	0	0	0	24	24	24	0	24	0	24	0	0	0	24	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61FVDUP	1240297	2000	42	WATER	LIQUID	2	LAB SUMMARY		30						RORA	Lab	42	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61FVPC	1240297	2000	66	WATER	LIQUID	2	LAB SUMMARY		30						RORA	Lab	66	0	0	0	0	66	0	0	66	0	0	0	66	0	0	0	66	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61FVDUP	1240297	2000	66	WATER	LIQUID	2	LAB SUMMARY		30						RORA	Lab	66	0	0	0	0	66	0	0	66	0	0	0	66	0	0	0	66	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61FSHOWASTE	1240297	2000	33	WATER	LIQUID	3	LAB SUMMARY		30						RORA	Lab	33	0	0	0	0	33	33	0	33	0	0	33	33	33	33	0	33	33	33	33	0	33	33	33	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61FSHOWASTE	1240297	2000	37	WATER	LIQUID	3	LAB SUMMARY		30						RORA	Lab	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61FSHOWASTE	1240297	2000	48	SOLID		3	LAB SUMMARY		30						RORA	Lab	0	0	0	0	0	48	0	0	0	0	0	48	0	48	48	0	48	0	48	48	0	0	0	0	48	0	0	FUNDED BY LWPF PROGRAM
200LEF61EQTANK	1240297	2000	12	WATER	LIQUID	5			100						RORA	Lab	12	0	0	0	0	12	12	12	12	0	0	0	12	12	12	0	12	12	12	12	0	12	12	12	0	12	0	12	SAMPLING, FUNDED BY TANK CHARACT. PROG.
200LEF61EQSTEAM	1240297	2000	12	WATER	LIQUID	5			7						PROCESS CONTROL	Lab	0	0	0	0	0	12	12	0	12	0	0	0	12	12	12	0	12	12	12	0	0	12	12	12	0	12	0	12	4
200LBLANKTRIPBLANK	1240297	2000	12	WATER	LIQUID	5			7						PROCESS CONTROL	Lab	0	0	0	0	0	12	12	0	12	0	0	0	12	12	12	0	12	12	12	0	0	12	12	12	0	12	0	12	4
200AMPROCESSCOND	1240297	2000	6	WATER	LIQUID	2			7						PROCESS CONTROL	Lab	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	6	6	6	0	0	6	6	6	0	6	0	6	6
200EXTERNCOND	1240297	2000	2	WATER	LIQUID	2			30						RORA	Lab	2	0	0	0	0	2	2	0	2	0	0	0	2	2	2	0	2	2	2	0	0	2	2	2	0	2	0	2	2
200CONDUMPWATER	1240297	2000	2	WATER	LIQUID	2			30						RORA	Lab	2	0	0	0	0	2	2	0	2	0	0	0	2	2	2	0	2	2	2	0	0	2	2	2	0	2	0	2	2
200RINSEREDIBLEMARGE	1240297	2000	2	WATER	LIQUID	1			30						RORA	Lab	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SAMPLING, FUNDED BY JCI
200LEF61DFDW	1240297	2001	16	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30						RORA	Lab	16	0	0	0	0	16	0	0	0	0	0	0	16	0	0	0	16	0	0	0	0	0	0	0	0	0	0	16	FUNDED BY LWPF PROGRAM
200LEF61DFDW	1240297	2001	29	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30						RORA	Lab	29	0	0	0	0	29	0	0	29	29	29	29	0	0	0	0	29	29	29	0	0	0	0	0	0	0	0	29	FUNDED BY LWPF PROGRAM
200LEF61DFDW	1240297	2001	64	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	1						RORA	FIELD	0	0	0	0	0	0	64	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61EQPC	1240297	2001	12	WATER	LIQUID	1	LAB SUMMARY		30						RORA	Lab	12	0	12	0	0	12	12	0	12	0	0	12	12	0	0	0	12	0	12	12	0	0	0	0	0	12	0	12	FUNDED BY LWPF PROGRAM
200LEF61EQPDUP	1240297	2001	12	WATER	LIQUID	1	LAB SUMMARY		30						RORA	Lab	12	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61EQFDUP	1240297	2001	30	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30						RORA	Lab	30	0	30	0	0	30	0	0	30	30	30	30	0	0	0	0	30	30	30	0	0	0	0	0	0	0	0	30	FUNDED BY LWPF PROGRAM
200LEF61EQFDUP	1240297	2001	14	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30						RORA	Lab	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61EQFDUP	1240297	2001	24	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30						RORA	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	24	FUNDED BY LWPF PROGRAM
200LEF61EQFDUP	1240297	2001	99	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30						RORA	Lab	99	0	0	0	0	99	99	0	0	0	0	0	99	0	0	0	99	0	0	0	0	0	0	0	0	0	0	99	FUNDED BY LWPF PROGRAM
200LEF61EQPDUP	1240297	2001	68	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30						RORA	Lab	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61EVLAPFIX	1240297	2001	66	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	5						RORA	Lab	66	0	0	0	0	66	66	0	66	66	66	66	0	0	0	0	66	66	66	0	0	66	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61EVFAKE1C	1240297	2001	66	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	5						RORA	Lab	66	0	0	0	0	66	66	0	66	66	66	66	0	0	0	0	66	66	66	0	0	66	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61EVFAKP1K	1240297	2001	66	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	10						RORA	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61EVFAKP1K	1240297	2001	66	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	5						RORA	Lab	66	0	0	0	0	66	66	0	66	66	66	66	0	0	0	0	66	66	66	0	0	66	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61EVFAKP1K	1240297	2001	66	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	10						RORA	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61EVFAKP1K	1240297	2001	66	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	5						RORA	Lab	66	0	0	0	0	66	66	0	66	66	66	66	0	0	0	0	66	66	66	0	0	66	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61TFPC	1240297	2001	166	WATER	LIQUID	3	LAB SUMMARY		5						RORA	Lab	166	0	0	0	0	166	166	0	166	0	0	166	0	0	0	0	166	166	166	166	0	166	166	166	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61TFPC	1240297	2001	62	WATER	LIQUID	3	LAB SUMMARY		5						RORA	Lab	0	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61TFPC	1240297	2001	166	WATER	LIQUID	3	LAB SUMMARY		5						RORA	Lab	0	0	0	0	0	166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61TFPC	1240297	2001	416	WATER	LIQUID	3	LAB SUMMARY		5						RORA	Lab	0	0	0	0	0	0	416	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEF61FDW	1240297	2001	24	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30						RORA	Lab	24	0	0	0	0	24	24	0	24	0	0	0	24	24	24	0	24	0	24	0	0	0	24	0	0	0	0	FUNDED BY LWPF PROGRAM

ATID	SchProgramID	RegistDate	RegistBy	SubSamples	SampleMatrix	SortQuality	SubSampleLevel	SampleSource	SubSampleCode	TankSystemCode	SubSampleStatus	SpecialAnalysis	SpecialHandling	Process	LAB/TRUCK/FAC	CESIUM	STRONTIUM90	TECHNETIUM	CYANIDE	HYDROXIDE	NITRATE	NITRITE	FLUORIDE	PHOSPHATE	SULFATE	TOTALK	TOTALCO3	TOTALOH	TOTALPO4	TOTALSO4	TOTALC2O4	TOTALNO2	TOTALNO3	TOTALF	TOTALCL	TOTALBR	TOTALI	TOTALSO3	TOTALS	TOTALNA	TOTALMG	TOTALCA	TOTALFE	TOTALNI	TOTALMN	TOTALAL	TOTALCR	TOTALPB	TOTALU	TOTALTHORIUM	TOTALPU	TOTALSR	TOTALNP	TOTALAM	TOTALCM	TOTALBE	TOTALRA	TOTALTC	TOTALPOLONIUM	TOTALPROTACTIN	COMMENT
200LEFETFGW		12/6/97	2001	39	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	LAB	39	0	0	0	0	0	39	0	0	0	0	0	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFGW		12/6/97	2001	112	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	FIELD	0	0	0	0	0	0	0	0	0	0	0	0	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFGW		12/6/97	2001	28	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETDUP		12/6/97	2001	31	WATER	LIQUID	2	LAB SUMMARY		30				RCRA	LAB	31	0	0	0	0	31	31	0	31	31	31	31	0	0	0	0	0	0	0	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	FUNDED BY LWPF PROGRAM
200LEFETDUP		12/6/97	2001	32	WATER	LIQUID	2	LAB SUMMARY		30				RCRA	LAB	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFGW		12/6/97	2001	24	WATER	LIQUID	2	LAB SUMMARY		30				RCRA	LAB	24	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFGW		12/6/97	2001	43	WATER	LIQUID	2	LAB SUMMARY		30				RCRA	LAB	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFEEXPC		12/6/97	2001	44	WATER	LIQUID	2	LAB SUMMARY		30				RCRA	LAB	44	0	0	0	0	44	44	0	0	0	0	0	44	0	0	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFEEXPC		12/6/97	2001	48	WATER	LIQUID	3	LAB SUMMARY		30				RCRA	LAB	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFGWDISTE		12/6/97	2001	33	WATER	LIQUID	3	LAB SUMMARY		30				RCRA	LAB	33	0	0	0	0	0	33	0	0	33	33	33	33	0	0	0	0	0	0	0	33	33	33	33	0	33	33	33	33	33	33	33	0	33	33	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFGWDISTE		12/6/97	2001	27	WATER	LIQUID	3	LAB SUMMARY		30				RCRA	LAB	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFGWDISTE		12/6/97	2001	48	SOLID		3	LAB SUMMARY		30				RCRA	LAB	0	0	0	0	0	0	48	0	0	0	0	0	48	0	0	0	0	0	0	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
241A FEEDTANKS		12/6/97	2001	12	WATER	LIQUID	5			100				RCRA	LAB	12	0	0	0	0	13	12	12	12	0	0	0	0	0	0	0	0	0	13	13	12	0	12	12	0	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	SAMPLING, FUNDED BY TWRS CHARACT. PROG.
241A FEEDSLURRYSEAL		12/6/97	2001	12	WATER	LIQUID	6			7				PROCESS CONTROL	LAB	0	0	0	0	0	13	12	4	12	12	0	0	0	0	0	0	0	0	13	13	12	0	12	12	4	12	4	4	12	4	12	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	
241A SLURRYSEAL		12/6/97	2001	12	WATER	LIQUID	9			7				PROCESS CONTROL	LAB	0	0	0	0	0	13	12	4	12	12	0	0	0	0	0	0	0	0	13	13	12	0	12	12	4	12	4	4	12	4	12	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	
241A PROCESSCOND		12/6/97	2001	6	WATER	LIQUID	2			7				PROCESS CONTROL	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
241A241AWOOND		12/6/97	2001	2	WATER	LIQUID	1			30				RCRA	LAB	2	0	2	0	0	2	2	0	2	0	2	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
241A COOLOMINSTER		12/6/97	2001	2	WATER	LIQUID	3			30				RCRA	LAB	2	0	2	0	0	2	2	0	2	0	2	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
241A BOILEXCHANGE		12/6/97	2001	2	WATER	LIQUID	1			30				RCRA	LAB	2	0	2	0	0	2	2	0	2	0	2	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SAMPLING, FUNDED BY JCI
200LEFETDFGW		12/6/97	2002	16	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	LAB	16	0	16	0	0	16	16	0	0	0	0	0	16	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETDFGW		12/6/97	2002	39	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	LAB	39	0	39	0	0	0	29	29	0	29	29	29	29	0	0	0	0	0	0	0	29	29	29	0	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETDFGW		12/6/97	2002	64	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	1				RCRA	FIELD	0	0	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
200LEFEEXPC		12/6/97	2002	12	WATER	LIQUID	1	LAB SUMMARY		30				RCRA	LAB	12	0	12	0	0	12	12	0	12	0	12	12	0	0	0	0	0	0	0	12	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFEEXPC		12/6/97	2002	12	WATER	LIQUID	1	LAB SUMMARY		30				RCRA	LAB	12	0	12	0	0	12	12	0	12	0	12	12	0	0	0	0	0	0	0	12	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETDFGW		12/6/97	2002	39	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	LAB	39	0	39	0	0	0	39	39	0	39	39	39	39	0	0	0	0	0	0	0	39	39	39	0	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETDFGW		12/6/97	2002	11	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	LAB	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETDFGW		12/6/97	2002	23	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETDFGW		12/6/97	2002	88	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	LAB	88	0	0	0	0	0	88	88	0	0	0	0	0	0	0	0	0	0	0	0	88	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETDFGW		12/6/97	2002	99	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	LAB	99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETVERIFY		12/6/97	2002	64	WATER	LIQUID	2	LAB SUMMARY	ACTION LIMITS	6				RCRA	LAB	64	0	0	0	0	0	64	64	0	64	64	64	64	0	0	0	0	0	0	0	64	64	64	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETVERIFY		12/6/97	2002	68	WATER	LIQUID	3	LAB SUMMARY	ACTION LIMITS	6				RCRA	LAB	68	0	0	0	0	0	68	68	0	68	68	68	68	0	0	0	0	0	0	0	68	68	68	0	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETVERIFY		12/6/97	2002	66	WATER	LIQUID	3	LAB SUMMARY	ACTION LIMITS	14				RCRA	LAB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETDUPVERIFY		12/6/97	2002	68	WATER	LIQUID	3	LAB SUMMARY	ACTION LIMITS	6				RCRA	LAB	68	0	0	0	0	0	68	68	0	68	68	68	68	0	0	0	0	0	0	0	68	68	68	0	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFEEXPC		12/6/97	2002	194	WATER	LIQUID	3	LAB SUMMARY		6				RCRA	LAB	194	0	0	0	0	194	194	0	194	0	0	0	192	0	0	144	194	194	194	0	194	194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFPC		12/6/97	2002	82	WATER	LIQUID	3	LAB SUMMARY		6				RCRA	LAB	0	0	0	0	0	0	0	0	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFPC		12/6/97	2002	196	WATER	LIQUID	3	LAB SUMMARY		6				RCRA	LAB	0	0	0	0	0	0	0	0	196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFPC		12/6/97	2002	416	WATER	LIQUID	3	LAB SUMMARY		6				RCRA	LAB	0	0	0	0	0	0	0	0	416	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFGW		12/6/97	2003	24	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	LAB	24	0	0	0	0	24	24	0	24	0	0	0	24	0	0	0	0	0	0	0	24	24	24	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFGW		12/6/97	2003	29	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	LAB	29	0	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFGW		12/6/97	2002	112	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	FIELD	0	0	0	0	0	0	0	0	112	0	0	0	0	0	0	0	0	0	0	0	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETFGW		12/6/97	2002	29	WATER	LIQUID	1	LAB SUMMARY	ACTION LIMITS	30				RCRA	LAB	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFETDUP		12/6/97	2002	31	WATER	LIQUID	2	LAB SUMMARY		30				RCRA	LAB	31	0	0	0	0	31	31	0	31	31	31	31	0	0	0	0	0	0	0	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	FUNDED BY LWPF PROGRAM
200LEFLEXCOMP		12/6/97	2002	33	WATER	LIQUID	2	LAB SUMMARY		30				RCRA	LAB	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFLEXCOMP		12/6/97	2002	24	WATER	LIQUID	2	LAB SUMMARY		30				RCRA	LAB	24	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFLEXCOMP		12/6/97	2002	42	WATER	LIQUID	3	LAB SUMMARY		30				RCRA	LAB	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFLEXPC		12/6/97	2002	48	WATER	LIQUID	3	LAB SUMMARY		30				RCRA	LAB	48	0	0	0	0	48	48	0	0	0	0	0	48	0	0	0	0	0	0	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM
200LEFLEXPC		12/6/97	2002	48	WATER	LIQUID	3	LAB SUMMARY		30				RCRA	LAB	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPF PROGRAM

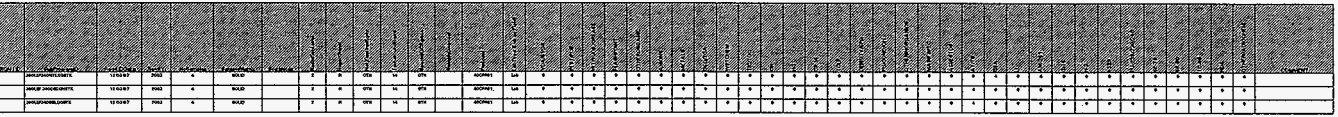
TID	BatchAssignmentID	StartMODate	RptgYr	SubSamples	SampleMatrix	StartModify	Replicate Count	Preparation	Lab Name Code	Sample Size	Sample Size Units	Percent Moisture	Percent Moisture Basis	Protocol	Lab Received Date	ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	IRON	LEAD	MANGANESE	MERCURY	MOLYBDENUM	NICKEL	POTASSIUM	SELENIUM	SILICON	SILVER	SODIUM	STRONTIUM	THALLIUM	TIN	TITANIUM	VANADIUM	ZINC	ZIRCONIUM	COMMENT
	200LEF27/HOWASTE	12/01/97	2002	33	WATER	LIQUID	3	LAB SAMPLE		20				RCRA	Lab	33	0	0	33	0	0	33	33	33	33	0	33	33	0	0	33	33	33	33	33	33	0	33	33	0	33	FUNDED BY LWPP PROGRAM
	200LEF27/HOWASTE	12/01/97	2002	27	WATER	LIQUID	3	LAB SUMMARY		20				RCRA	Lab	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FUNDED BY LWPP PROGRAM
	200LEF27/HOWASTE	12/01/97	2002	44	SOLID		3	LAB SUMMARY		30				RCRA	Lab	0	0	0	0	0	0	44	0	0	0	0	44	0	44	0	42	0	42	0	42	0	0	0	0	0	44	0	FUNDED BY LWPP PROGRAM
	242A FEEDSTAKE	12/01/97	2002	13	WATER	LIQUID	6			100				RCRA	Lab	13	0	0	0	0	13	13	13	13	13	0	13	13	0	0	13	13	13	13	13	13	13	13	13	0	13	SAMPLING, FUNDED BY FWS CHARACT. PROG.
	242A FEEDSTREAM	12/01/97	2002	13	WATER	LIQUID	6			7				PROCESS CONTROL	Lab	0	0	0	0	0	13	13	4	13	13	0	0	0	0	0	13	13	13	13	13	4	13	4	4	4	13	4	13	4	0	4	
	242A SLURRYSTREAM	12/01/97	2002	13	WATER	LIQUID	6			7				PROCESS CONTROL	Lab	0	0	0	0	0	13	13	4	13	13	0	0	0	0	0	13	13	13	13	13	4	13	4	4	4	13	4	13	4	0	4	
	241A PROCESSING2ND	12/01/97	2002	5	WATER	LIQUID	2			7				PROCESS CONTROL	Lab	0	0	4	0	0	4	0	4	0	5	4	4	0	4	0	0	0	5	5	5	5	5	5	5	4	5	5	5	4	0	4	
	241A STEAM2ND	12/01/97	2002	2	WATER	LIQUID	2			30				RCRA	Lab	2	0	2	0	0	2	2	0	2	2	0	2	0	0	0	0	0	0	2	0	2	2	0	0	0	0	0	0	2	0	2	
	241A COOLING WATER	12/02/97	2002	2	WATER	LIQUID	2			30				RCRA	Lab	2	0	2	0	0	2	2	0	2	2	0	2	0	0	0	0	0	0	2	0	2	2	0	0	0	0	0	0	2	0	2	
	241A BOIL/EXDISCHARGE	12/02/97	2002	2	WATER	LIQUID	1			30				RCRA	Lab	0	0	0	0	0	2	2	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SAMPLING, FUNDED BY JCE

YEAR 2003 IS EXPECTED TO BE SIMILAR TO YEAR 2002

300LE597.XLS

INPUT REQUEST FORM
PROGRAM LE
SUBPROGRAM Listed

D-9



APPENDIX V

SPENT NUCLEAR FUELS PROGRAM INPUTS

E-1-12

Rewberger — Y. J. Hyatt

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
C. D. Lucas, DESH 373-1626	D. B. Van Leuven, WMH	DESH-9759898 R1

Subject: ANALYTICAL SERVICES PROJECTIONS UPDATE FOR NOVEMBER 1997

DISTRIBUTION

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	
		DE&S Hanford, Inc.		
		D. C. Best	R3-13	X
		A. S. Daughtridge	R3-85	
		J. W. Foster	R3-11	
		J. R. Gregory	X3-72	
X	12/9/97	M. W. Gmyrek	X3-71	X
		F. G. Hudson	R3-11	X
X	12-9-97	P. G. Huntley	X3-72	X
		P. G. Leroy	R3-15	
		C. D. Lucas	X3-67	X
		C. T. Miller	X3-71	
		W. H. Rasin	R3-11	
		R. P. Ruth	R3-11	
		J. A. Swenson	R3-11	
		R. B. Wilkinson	R3-11	
		SNF Project Files	R3-11	X
		PGL File/LB	R3-15	X
		T. L. McConnell	H5-30	X
		WMH		
		P. K. Brockman	H1-11	X
		S. M. Joyce	H6-06	X
		C. R. Stroup	H6-06	X

DE&S HANFORD

P.O. Box 350
Richland, WA 99352

December 9, 1997 DESH-9759898 R1

D. B. Van Leuven, President
and General Manager
Waste Management Federal Services of Hanford, Inc.
Post Office Box 700
Richland, Washington 99352

Dear Mr. Van Leuven:

ANALYTICAL SERVICES PROJECTIONS UPDATE FOR NOVEMBER 1997

Reference: Letter, D. B. Van Leuven, WMH, to President, DESH, same subject, WMH-9759898, dated October 31, 1997.

As requested in the Reference, attached is the analytical services projections update provided by DE&S Hanford, Inc. for the Spent Nuclear Fuel Project.

If you have specific questions regarding the information provided, please call Mr. C. D. Lucas on 373-1006 or Ms. M. A. Green on 373-1463.

Sincerely,

F. G. Hudson, Vice President
and Project Director
Spent Nuclear Fuel Project

vlp

Attachment

DESH-9759898 R1

ATTACHMENT

Page 1 of 7
including this cover sheet

1197snsp **SubProgram Information**

Program **SNF**

SubProgramID	SubProgramName	ProgramID	Location	Contact Name	Note
SNFFOPROC	SNF FACILITY OPS. PROCESS CONTROL SAMPLES	SNF	100K	Mary Ann Green	
SNFFOPS	SNF FACILITY OPS. PROCESS STANDARD SAMPLES	SNF	100K	Mary Ann Green	
SNFFOTANK	SNF FACILITY OPS. CVD TANKER SAMPLES	SNF	100K	Mary Ann Green	
SNFFOCVD	SNF FACILITY OPS. CVD PROCESS CONTROL SAMPLES	SNF	100K	Mary Ann Green	
SNFFONLOP	SNF FACILITY OPS. KW BACKWASH PIT SAMPLE	SNF	100K	Mary Ann Green	
SNFFOENVA	SNF FACILITY OPS. ENVIRONMENTAL AIR SAMPLES	SNF	100K	Mary Ann Green	
SNFFOENVW	SNF FACILITY OPS. ENV. WATER SAMPLES	SNF	100K	Mary Ann Green	
SNFFOTSS	SNF FACILITY OPS. 183KE HOLDUP BASIN SAMPLES	SNF	100K	Mary Ann Green	

1197snfd **Program Sample Projection Funding**

SNF Program

FundCntr	SubProgramID	RqmtIDDate	RqmtYr	FundingSource	FundingAmount	Note
	SNFFOPROC	11/01/97	1998		310K	
	SNFFOPS	11/01/97	1998			INCLUDED IN SNFFOPROC
	SNFFOTANK	11/01/97	1998			INCLUDED IN SNFFOPROC
	SNFFOCVD	11/01/97	1998			INCLUDED IN SNFFOPROC
	SNFFONLOP	11/01/97	1998			INCLUDED IN SNFFOPROC
	SNFFOENVA	11/01/97	1998		150K	
	SNFFOENVW	11/01/97	1998			INCLUDED IN SNFFOENVA
	SNFFOTSS	11/01/97	1998		5K	
	SNFFOPROC	11/01/97	1999		455K	
	SNFFOPS	11/01/97	1999			INCLUDED IN SNFFOPROC
	SNFFOTANK	11/01/97	1999			INCLUDED IN SNFFOPROC
	SNFFOCVD	11/01/97	1999			INCLUDED IN SNFFOPROC
	SNFFONLOP	11/01/97	1999			INCLUDED IN SNFFOPROC
	SNFFOENVA	11/01/97	1999		180K	
	SNFFOENVW	11/01/97	1999			INCLUDED IN SNFFOENVA

FundCntr	SubProgramID	RqmtIDDate	RqmtYr	FundingSource	FundingAmount	Note
	SNFFOTSS	11/01/97	1999		5K	
	SNFFOPROC	11/01/97	2000		630K	
	SNFFOPS	11/01/97	2000			INCLUDED IN SNFFOPROC
	SNFFOTANK	11/01/97	2000			INCLUDED IN SNFFOPROC
	SNFFOCVD	11/01/97	2000			INCLUDED IN SNFFOPROC
	SNFFONLOP	11/01/97	2000			INCLUDED IN SNFFOPROC
	SNFFOENVA	11/01/97	2000		190K	
	SNFFOENVW	11/01/97	2000			INCLUDED IN SNFFOENVA
	SNFFOTSS	11/01/97	2000		6K	
	SNFFOPROC	11/01/97	2001		640K	
	SNFFOPS	11/01/97	2001			INCLUDED IN SNFFOPROC
	SNFFOTANK	11/01/97	2001			INCLUDED IN SNFFOPROC
	SNFFOCVD	11/01/97	2001			INCLUDED IN SNFFOPROC
	SNFFONLOP	11/01/97	2001			INCLUDED IN SNFFOPROC
	SNFFOENVA	11/01/97	2001		200K	
	SNFFOENVW	11/01/97	2001			INCLUDED IN SNFFOENVA
	SNFFOTSS	11/01/97	2001		7K	
	SNFFOPROC	11/01/97	2002		650K	

FundCntr	SubProgramID	RqmtIDDate	RqmtYr	FundingSource	FundingAmount	Note
	SNFFOPS	11/01/97	2002			INCLUDED IN SNFFOPROC
	SNFFOTANK	11/01/97	2002			INCLUDED IN SNFFOPROC
	SNFFOCVD	11/01/97	2002			INCLUDED IN SNFFOPROC
	SNFFONLOP	11/01/97	2002			INCLUDED IN SNFFOPROC
	SNFFOENVA	11/01/97	2002		210K	
	SNFFOENVW	11/01/97	2002			INCLUDED IN SNFFOENVA
	SNFFOTSS	11/01/97	2002		8K	
	SNFFOPROC	11/01/97	2003		660K	
	SNFFOPS	11/01/97	2003			INCLUDED IN SNFFOPROC
	SNFFOTANK	11/01/97	2003			INCLUDED IN SNFFOPROC
	SNFFOCVD	11/01/97	2003			INCLUDED IN SNFFOPROC
	SNFFONLOP	11/01/97	2003			INCLUDED IN SNFFOPROC
	SNFFOENVA	11/01/97	2003		220K	
	SNFFOENVW	11/01/97	2003			INCLUDED IN SNFFOENVA
	SNFFOTSS	11/01/97	2003		9K	

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InputOP

ATTACHMENT II
SAMPLING, FIELD, AND LABORATORY PROJECTIONS

ROGRAM SNE
UBPROGRAM LISTED

SubProgramID	[illegible]	[illegible]	NoSamples	SampleMatrix	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	LabType	VOA/SVOA	PEST/PCB	WTPH/OIL&GREASE	FLASHPOINT	OTHERORGANIC	ANIONS	METALS	DSC/TGA	WETCHEM	TIC/TOC	CN	PH	CR-VI	TCLP	DENSITY/SPG	[illegible]	OTHERINORGANICS	MASS SIZE	ASBESTOS	AT/TB	GEA	U	AM-241	C-14	H-3	I-129	PU-238/239/240	SE-79	SR-90
FFOPROC	11/01/97	1998	584	LIQUID		2	OTH		1			PROCESS CONTOL	LAB																				584	584								
FFOPS	11/01/97	1998	24	LIQUID		2	E		30			PROCESS CONTOL	LAB																24				24	24	24	24		24		24		24
FFOTANK	11/01/97	1998	0	LIQUID		2			30			PROCESS CONTOL	LAB																													
FFOCVD	11/01/97	1998	0	LIQUID		2			1			PROCESS CONTOL	LAB																													
FFONLOP	11/01/97	1998	5	SLURRY		3	OTH	OTH	30			MOU	LAB																						5					5		
FFOENVA	11/01/97	1998	324	AIR FLTR		2	E		45			10CFR834	LAB																				324	324		324				324		324
FFOENVW	11/01/97	1998	19	LIQUID		1	E		45			ENVIRONMENTAL	LAB																				19	19		19		19		19		19
FFOTSS	11/01/97	1998	6	LIQUID		1	OTH		15	R		WDOH	LAB																													
FFOPROC	11/01/97	1999	1254	LIQUID		2	OTH		1			PROCESS CONTOL	LAB																				1254	1254								
FFOPS	11/01/97	1999	24	LIQUID		2	E		30			PROCESS CONTOL	LAB																24				24	24	24	24		24		24		24
FFOTANK	11/01/97	1999	260	LIQUID		2			30			PROCESS CONTOL	LAB																									260				
FFOCVD	11/01/97	1999	110	LIQUID		2			1			PROCESS CONTOL	LAB																				110	110								
FFONLOP	11/01/97	1999	5	SLURRY		3	OTH	OTH	30			MOU	LAB																						5					5		
FFOENVA	11/01/97	1999	324	AIR FLTR		2	E		45			10CFR834	LAB																				324	324		324				324		324
FFOENVW	11/01/97	1999	19	LIQUID		1	E		45			ENVIRONMENTAL	LAB																				19	19		19		19		19		19
FFOTSS	11/01/97	1999	6	LIQUID		1	OTH		15	R		WDOH	LAB																													
FFOPROC	11/01/97	2000	2288	LIQUID		2	OTH		1			PROCESS CONTOL	LAB																				2288	2288								
FFOPS	11/01/97	2000	24	LIQUID		2	E		30			PROCESS CONTOL	LAB																24				24	24								
FFOTANK	11/01/97	2000	520	LIQUID		2			30			PROCESS CONTOL	LAB																									520				
FFOCVD	11/01/97	2000	220	LIQUID		2			1			PROCESS CONTOL	LAB																				220	220								
FFONLOP	11/01/97	2000	5	SLURRY		3	OTH	OTH	30			MOU	LAB																						5					5		
FFOENVA	11/01/97	2000	324	AIR FLTR		2	E		45			10CFR834	LAB																				324	324		324				324		324
FFOENVW	11/01/97	2000	19	LIQUID		1	E		45			ENVIRONMENTAL	LAB																				19	19		19		19		19		19
FFOTSS	11/01/97	2000	6	LIQUID		1	OTH		15	R		WDOH	LAB																													
FFOPROC	11/01/97	2001	2288	LIQUID		2	OTH		1			PROCESS CONTOL	LAB																				2288	2288								
FFOPS	11/01/97	2001	24	LIQUID		2	E		30			PROCESS CONTOL	LAB																24				24	24								
FFOTANK	11/01/97	2001	520	LIQUID		2			30			PROCESS CONTOL	LAB																									520				
FFOCVD	11/01/97	2001	220	LIQUID		2			1			PROCESS CONTOL	LAB																				220	220								
FFONLOP	11/01/97	2001	5	SLURRY		3	OTH	OTH	30			MOU	LAB																						5					5		
FFOENVA	11/01/97	2001	324	AIR FLTR		2	E		45			10CFR834	LAB																				324	324		324				324		324
FFOENVW	11/01/97	2001	19	LIQUID		1	E		45			ENVIRONMENTAL	LAB																				19	19		19		19		19		19

SubProgramID	[illegible]	[illegible]	NoSamples	SampleMatrix	[illegible]	RadiationLevel	ReportRank	NotificationRank	TurnaroundRank	[illegible]	SampleDisposal	Purpose	LabType	VOA/SVOA	PEST/PCB	[illegible]	FLASHPOINT	OTHERORGANIC	ANIONS	METALS	DSC/TGA	WETCHEM	TIC/TOC	CN	PH	CR-VI	TCLP	DENSITY/SPG	[illegible]	OTHERINORGANICS	MASS SIZE	ASBESTOS	[illegible]	GEA	U	AM-241	C-14	H-3	I-129	PU-238/239/240	[illegible]	SR-90
NFFOTSS	11/01/97	2001	6	LIQUID		1	OTH		15	R		WDOH	LAB																													
NFFOPROC	11/01/97	2002	2288	LIQUID		2	OTH		1			PROCESS CONTOL	LAB																				2288	2288								
NFFOPS	11/01/97	2002	24	LIQUID		2	E		30			PROCESS CONTOL	LAB																24				24	24								
NFFOTANK	11/01/97	2002	520	LIQUID		2			30			PROCESS CONTOL	LAB																									520				
NFFOCVD	11/01/97	2002	220	LIQUID		2			1			PROCESS CONTOL	LAB																				220	220								
NFFONLOP	11/01/97	2002	5	SLURRY		3	OTH	OTH	30			MOU	LAB																						5					5		
NFFOENVA	11/01/97	2002	324	AIR FLTR		2	E		45			10CFR834	LAB																				324	324		324				324		324
NFFOENVW	11/01/97	2002	19	LIQUID		1	E		45			ENVIRONMENTAL	LAB																				19	19		19		19		19		19
NFFOTSS	11/01/97	2002	6	LIQUID		1	OTH		15	R		WDOH	LAB																													
NFFOPROC	11/01/97	2003	2288	LIQUID		2	OTH		1			PROCESS CONTOL	LAB																				2288	2288								
NFFOPS	11/01/97	2003	24	LIQUID		2	E		30			PROCESS CONTOL	LAB																24				24	24								
NFFOTANK	11/01/97	2003	520	LIQUID		2			30			PROCESS CONTOL	LAB																									520				
NFFOCVD	11/01/97	2003	220	LIQUID		2			1			PROCESS CONTOL	LAB																				220	220								
NFFONLOP	11/01/97	2003	5	SLURRY		3	OTH	OTH	30			MOU	LAB																						5					5		
NFFOENVA	11/01/97	2003	324	AIR FLTR		2	E		45			10CFR834	LAB																				324	324		324				324		324
NFFOENVW	11/01/97	2003	19	LIQUID		1	E		45			ENVIRONMENTAL	LAB																				19	19		19		19		19		19
NFFOTSS	11/01/97	2003	6	LIQUID		1	OTH		15	R		WDOH	LAB																													

			6 TBS
			6 TBS
			6 TBS

APPENDIX VI

TRANSITION PROJECTS PROGRAM INPUTS

F-1-17

From: Ibsen, Thomas G
Sent: Friday, January 16, 1998 12:08 PM
To: Joyce, Steven M
Subject: FW: PFP 6 MNTH SAMPLE PROJECTION UPDATE

Steve,

Transition Projects PFP sample projections.

Tom

-----Original Message-----
From: Joyce, Steven M
Sent: Thursday, November 20, 1997 7:30 AM
To: Ibsen, Thomas G
Subject: FW: PFP 6 MNTH SAMPLE PROJECTION UPDATE

-----Original Message-----
From: George_A_Westsik@apexc.rl.gov [SMTP:George_A_Westsik@apexc.rl.gov]
Sent: Wednesday, November 19, 1997 6:10 PM
To: Steven_M_Joyce@apimc01.rl.gov; Alan_A_Grasher@apimc01.rl.gov
Cc: E_W_Liz_Curfman@apexc.rl.gov; Peter_D_Jensen@apexc.rl.gov; George_A_Westsik@apexc.rl.gov
Subject: PFP 6 MNTH SAMPLE PROJECTION UPDATE

Please see attached. Please contact me if you have any questions.

S Excel spreadshee

George Westsik

E13

sfg1107.xls

INPUT REQUEST FORM

PROGRAM: 22

SUBPROGRAM: Liquid

Waste Type	Analysis Date	Sheet #	Tube #	Waste Code	Sort Waste	Sort Waste #	Analysis Code	Analysis Type	Lab	Ag	Al	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Si	Sn	Sr	Th	Ti	U	V	Zn	Zr	Hydroxide	Nitrate	Nitrite	Phosphate	Sulfate	Oxalate	Fluoride	Chloride	Carbonate	Formate	Acetate	Total Organic Carbon	Total Inorganic Carbon	Total Alkalinity	Density	Solids	Comments
PFP0432	11/01/97	1998	130	LIQUID	LIQUID	2	2-5	PROCESS CONTROL	Lab	0	0	0	0	0	0	15	0	0	115	0	0	0	0	0	0	0	0	0	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0432	11/01/97	1998	24	LIQUID	LIQUID	1	4	RCRA	Lab	24	0	0	0	0	24	12	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0234WC	11/01/97	1998	40	LIQUID	LIQUID	1	6	PROCESS CONTROL	Lab	2	2	0	0	0	2	6	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Listed under Site Monitoring
PFSTACK6	11/01/97	1998	0	FILTER MEDIA	OTHER	2	14	40CFR61 (CAA)	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	6	LIQUID (OIL)	OTHER	1	30	RCRA	Lab	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	2	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	3	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	4	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	5	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	6	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	7	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	8	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	9	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	10	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	11	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	12	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	13	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	14	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	15	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	16	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	17	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	18	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	19	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	20	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	21	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	22	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	23	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFP0001WASTE	11/01/97	1998	18	LIQUID (OIL)	OTHER	24	30	RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

														Lab Type (Lab or Field)																																COMMENT
	PFPSOLIDWASTE	11/01/97	2002	75	LIQUID	LIQUID	1			30			PROCESS CONTROL	Lab	0	0	0	0	0	21	3	0	0	0	0	0	0	0	0	36	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	
	PFPSOLIDWASTE	11/01/97	2002	13	LIQUID	LIQUID	7			30			RCRA	Lab	1	0	0	0	0	13	13	0	0	0	0	0	0	0	0	10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
	PFPSOLIDWASTE	11/01/97	2002	5	SOLID	SOLID/SOIL	4			30			PROCESS CONTROL	Lab	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	
	PFPSOLIDWASTE	11/01/97	2002	30	SOLID	SOLID/SOIL	7			30			RCRA	Lab	20	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	PFPSOLIDWASTE	11/01/97	2002	11	SOLID	SOLID/SOIL	1			30			RCRA	Lab	6	0	0	0	0	0	6	0	5	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	
	PFPBUTTONBURN	11/01/97	1998	500	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab								500										500														500	
	PFPSLUDGESTAB	11/01/97	1998	200	SLUDGE	LIQUID	7			1			PROCESS CONTROL	Lab								200																								200	
	PFPCEMENTATION	11/01/97	1998	50	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab								50																									
	PFPBUTTONBURN	11/01/97	1998	500	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab								500										500														500	
	PFPACA	11/01/97	1998	7	SOLID/LIQUID	SOLID/SOIL	7			1			DOE5633.3/5820.2A	Lab																															7	7	Rough Est. Only. Still being negotiated.
	PFPNDADRUMS	11/01/97	1998	300	DRUM	SOLID/SOIL	7			2			DOE5633.3	Lab																															300		
	PFPNDAINVENTORY	11/01/97	1998	150	Pu INVENTORY	SOLID/SOIL	7			2			DOE5633.3	Lab																															150		
	PFPNDASPECIAL	11/01/97	1998	25	PFP SPECIAL REQUEST	SOLID/SOIL	7			2			PROCESS CONTROL	Lab																															25		
	PFPNDAOTHER	11/01/97	1998	200	NON-PFP	SOLID/SOIL	7			2			PROCESS CONTROL	Lab																															200		
	PFPAIRFILTERS	11/01/97	1998	14500	AIR FILTER	OTHER	7			1			10CFR835	Lab																																14500	
	PFPLWTF	11/01/97	1998	130	LIQUID (H2O)	LIQUID	1			2			PROCESS CONTROL	Lab							130			130										130													
	PFPPUVITRIFICATION	11/01/97	1998	3000	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab						3000	3000	3000																								3000	Rough est. only
	PFPCALCINER	11/01/97	1998	3000	SOLID/LIQUID	LIQUID	7			1			PROCESS CONTROL	Lab						3000	3000	3000																								3000	
	PFPSLUDGESTAB	11/01/97	1999	200	SLUDGE	LIQUID	7			1			PROCESS CONTROL	Lab								200																								200	
	PFPCEMENTATION	11/01/97	1999	50	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab								50																									
	PFPBUTTONBURN	11/01/97	1999	500	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab								500										500														500	
	PFPACA	11/01/97	1999	7	SOLID/LIQUID	SOLID/SOIL	7			1			DOE5633.3/5820.2A	Lab																															7	7	Rough Est. Only. Still being negotiated.
	PFPNDADRUMS	11/01/97	1999	300	DRUM	SOLID/SOIL	7			2			DOE5633.3	Lab																															300		
	PFPNDAINVENTORY	11/01/97	1999	150	Pu INVENTORY	SOLID/SOIL	7			2			DOE5633.3	Lab																															150		
	PFPNDASPECIAL	11/01/97	1999	25	PFP SPECIAL REQUEST	SOLID/SOIL	7			2			PROCESS CONTROL	Lab																															25		
	PFPNDAOTHER	11/01/97	1999	200	NON-PFP	SOLID/SOIL	7			2			PROCESS CONTROL	Lab																															200		
	PFPAIRFILTERS	11/01/97	1999	14500	AIR FILTER	OTHER	7			1			10CFR835	Lab																																14500	
	PFPLWTF	11/01/97	1999	130	LIQUID (H2O)	LIQUID	1			2			PROCESS CONTROL	Lab							130			130										130													
	PFPPUVITRIFICATION	11/01/97	1999	3000	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab						3000	3000	3000																								3000	Rough est. only
	PFPCALCINER	11/01/97	1999	3000	SOLID/LIQUID	LIQUID	7			1			PROCESS CONTROL	Lab						3000	3000	3000																								3000	
	PFPSLUDGESTAB	11/01/97	2000	200	SLUDGE	LIQUID	7			1			PROCESS CONTROL	Lab								200																								200	
	PFPCEMENTATION	11/01/97	2000	50	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab								50																									
	PFPBUTTONBURN	11/01/97	2000	500	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab								500										500														500	
	PFPACA	11/01/97	2000	7	SOLID/LIQUID	SOLID/SOIL	7			1			DOE5633.3/5820.2A	Lab																															7	7	Rough Est. Only. Still being negotiated.
	PFPNDADRUMS	11/01/97	2000	300	DRUM	SOLID/SOIL	7			2			DOE5633.3	Lab																															300		
	PFPNDAINVENTORY	11/01/97	2000	150	Pu INVENTORY	SOLID/SOIL	7			2			DOE5633.3	Lab																															150		
	PFPNDASPECIAL	11/01/97	2000	25	PFP SPECIAL REQUEST	SOLID/SOIL	7			2			PROCESS CONTROL	Lab																															25		
	PFPNDAOTHER	11/01/97	2000	200	NON-PFP	SOLID/SOIL	7			2			PROCESS CONTROL	Lab																															200		
	PFPAIRFILTERS	11/01/97	2000	14500	AIR FILTER	OTHER	7			1			10CFR835	Lab																																14500	
	PFPLWTF	11/01/97	2000	130	LIQUID (H2O)	LIQUID	1			2			PROCESS CONTROL	Lab							130			130										130													
	PFPPUVITRIFICATION	11/01/97	2000	3000	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab						3000	3000	3000																								3000	Rough est. only
	PFPCALCINER	11/01/97	2000	3000	SOLID/LIQUID	LIQUID	7			1			PROCESS CONTROL	Lab						3000	3000	3000																								3000	
	PFPSLUDGESTAB	11/01/97	2001	200	SLUDGE	LIQUID	7			1			PROCESS CONTROL	Lab								200																								200	
	PFPCEMENTATION	11/01/97	2001	50	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab								50																									
	PFPBUTTONBURN	11/01/97	2001	500	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab								500										500														500	
	PFPACA	11/01/97	2001	7	SOLID/LIQUID	SOLID/SOIL	7			1			DOE5633.3/5820.2A	Lab																															7	7	Rough Est. Only. Still being negotiated.
	PFPNDADRUMS	11/01/97	2001	300	DRUM	SOLID/SOIL	7			2			DOE5633.3	Lab																															300		
	PFPNDAINVENTORY	11/01/97	2001	150	Pu INVENTORY	SOLID/SOIL	7			2			DOE5633.3	Lab																															150		
	PFPNDASPECIAL	11/01/97	2001	25	PFP SPECIAL REQUEST	SOLID/SOIL	7			2			PROCESS CONTROL	Lab																															25		
	PFPNDAOTHER	11/01/97	2001	200	NON-PFP	SOLID/SOIL	7			2			PROCESS CONTROL	Lab																															200		
	PFPAIRFILTERS	11/01/97	2001	14500	AIR FILTER	OTHER	7			1			10CFR835	Lab																																14500	
	PFPLWTF	11/01/97	2001	130	LIQUID (H2O)	LIQUID	1			2			PROCESS CONTROL	Lab							130			130										130													
	PFPPUVITRIFICATION	11/01/97	2001	3000	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab						3000	3000	3000																								3000	Rough est. only
	PFPSLUDGESTAB	11/01/97	2002	200	SLUDGE	LIQUID	7			1			PROCESS CONTROL	Lab								200																								200	
	PFPCEMENTATION	11/01/97	2002	50	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab								50																									
	PFPBUTTONBURN	11/01/97	2002	500	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab								500										500														500	
	PFPACA	11/01/97	2002	7	SOLID/LIQUID	SOLID/SOIL	7			1			DOE5633.3/5820.2A	Lab																															7	7	Rough Est. Only. Still being negotiated.
	PFPNDADRUMS	11/01/97	2002	300	DRUM	SOLID/SOIL	7			2			DOE5633.3	Lab																															300		
	PFPNDAINVENTORY	11/01/97	2002	150	Pu INVENTORY	SOLID/SOIL	7			2			DOE5633.3	Lab																															150		
	PFPNDASPECIAL	11/01/97	2002	25	PFP SPECIAL REQUEST	SOLID/SOIL	7			2			PROCESS CONTROL	Lab																															25		
	PFPNDAOTHER	11/01/97	2002	200	NON-PFP	SOLID/SOIL	7			2			PROCESS CONTROL	Lab																															200		
	PFPAIRFILTERS	11/01/97	2002	14500	AIR FILTER	OTHER	7			1			10CFR835	Lab																																14500	
	PFPLWTF	11/01/97	2002	130	LIQUID (H2O)	LIQUID	1			2			PROCESS CONTROL	Lab							130			130										130													
	PFPPUVITRIFICATION	11/01/97	2002	3000	SOLID	SOLID/SOIL	7			1			PROCESS CONTROL	Lab						3000	3000	3000																								3000	Rough est. only

r197.xls

PUT REQUEST FORM

OGRAM

BPROGRAM

TP
Listed

SubProgramID	RqmtDDate	RqmtYr	NoSamples	SampleMatrix	SolMatrix	RadiationLevel	ReportRqmt	NotificationRqmt	TurnaroundRqmt	SpecialDQORqmt	SampleDisposal	Protocol	LabType (Lab or Field)	VOA/SVOA	PESTPCB	NTPH/OIL/GREASE	PCA/SPHCMPNT	OTHERORGANIC	ANIONS	METALS	DIOXIN/FURAN	WETCHEM	TOX/TOC	CN	HYD	CHLVE	TCLP	DENSITY/RPD	PHYSCHROM	OTHERINORGANICS	MASS SPEC	ASBESTOS	ATTR	BETA	U-TOT	AM-241	C-14	H-3	I-129	RU-106/ZR-95	SR-90	SE-79	SPGAM	TC-99	NOA	OTHERRADCHEM
P243Z	11/01/96	1998	130	LIQUID	LIQUID	2			2-5			PROCESS CONTROL	Lab	0	0	0	0	0	0	15	0	0	115	0	0	0	0	0	0	0	0	0	0	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P241Z	11/01/96	1998	24	LIQUID	LIQUID	7			4			RCRA	Lab	24	0	0	0	0	24	12	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P225WC	11/01/96	1998	40	LIQUID	LIQUID	1			0			PROCESS CONTROL	Lab	2	2	0	0	0	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSTACKS	05/01/97	1998	65	FILTER MEDIA	OTHER	2			14			40CFR61 (CAA)	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	8	0	8	0	0	0	8	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	1998	6	LIQUID (OIL)	OTHER	1			30			RCRA	Lab	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	1998	19	LIQUID (OIL)	OTHER	2			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	1998	19	LIQUID (OIL)	OTHER	4			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	1998	19	LIQUID (OIL)	OTHER	7			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	1998	75	LIQUID	LIQUID	1			30			PROCESS CONTROL	Lab	0	0	0	0	0	21	3	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	1998	13	LIQUID	LIQUID	7			30			RCRA	Lab	1	0	0	0	0	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	1998	5	SOLID	SOLID/SOIL	1			30			PROCESS CONTROL	Lab	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	05/01/97	1998	135	SOLID	SOLID/SOIL	7			30			RCRA	Lab	0	0	0	0	0	0	135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	1998	11	SOLID	SOLID/SOIL	1			30			RCRA	Lab	6	0	0	0	0	0	6	0	5	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P243Z	11/01/96	1999	130	LIQUID	LIQUID	2			2-5			PROCESS CONTROL	Lab	0	0	0	0	0	0	15	0	0	115	0	0	0	0	0	0	0	0	0	0	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P241Z	11/01/96	1999	24	LIQUID	LIQUID	7			4			RCRA	Lab	24	0	0	0	0	24	12	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P225WC	11/01/96	1999	40	LIQUID	LIQUID	1			0			PROCESS CONTROL	Lab	2	2	0	0	0	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSTACKS	05/01/97	1999	65	FILTER MEDIA	OTHER	2			14			40CFR61 (CAA)	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	8	0	8	0	0	0	8	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	1999	6	LIQUID (OIL)	OTHER	1			30			RCRA	Lab	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	1999	19	LIQUID (OIL)	OTHER	2			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	1999	19	LIQUID (OIL)	OTHER	4			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	1999	19	LIQUID (OIL)	OTHER	7			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	1999	75	LIQUID	LIQUID	1			30			PROCESS CONTROL	Lab	0	0	0	0	0	21	3	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	1999	13	LIQUID	LIQUID	7			30			RCRA	Lab	1	0	0	0	0	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	1999	5	SOLID	SOLID/SOIL	1			30			PROCESS CONTROL	Lab	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	05/01/97	1999	143	SOLID	SOLID/SOIL	7			30			RCRA	Lab	0	0	0	0	0	0	143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	143	0
PSOLIDWASTE	11/01/96	1999	11	SOLID	SOLID/SOIL	1			30			RCRA	Lab	6	0	0	0	0	0	6	0	5	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P243Z	11/01/96	2000	130	LIQUID	LIQUID	2			2-5			PROCESS CONTROL	Lab	0	0	0	0	0	0	15	0	0	115	0	0	0	0	0	0	0	0	0	0	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P241Z	11/01/96	2000	24	LIQUID	LIQUID	7			4			RCRA	Lab	24	0	0	0	0	24	12	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P225WC	11/01/96	2000	40	LIQUID	LIQUID	1			0			PROCESS CONTROL	Lab	2	2	0	0	0	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSTACKS	05/01/97	2000	65	FILTER MEDIA	OTHER	2			14			40CFR61 (CAA)	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	8	0	8	0	0	0	8	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	2000	6	LIQUID (OIL)	OTHER	1			30			RCRA	Lab	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	2000	19	LIQUID (OIL)	OTHER	2			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	2000	19	LIQUID (OIL)	OTHER	4			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	2000	19	LIQUID (OIL)	OTHER	7			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	2000	75	LIQUID	LIQUID	1			30			PROCESS CONTROL	Lab	0	0	0	0	0	21	3	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	2000	13	LIQUID	LIQUID	7			30			RCRA	Lab	1	0	0	0	0	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	2000	5	SOLID	SOLID/SOIL	1			30			PROCESS CONTROL	Lab	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	05/01/97	2000	208	SOLID	SOLID/SOIL	7			30			RCRA	Lab	20	0	0	0	0	0	188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	188	0
PSOLIDWASTE	11/01/96	2000	11	SOLID	SOLID/SOIL	1			30			RCRA	Lab	6	0	0	0	0	0	6	0	5	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P243Z	11/01/96	2001	130	LIQUID	LIQUID	2			2-5			PROCESS CONTROL	Lab	0	0	0	0	0	0	15	0	0	115	0	0	0	0	0	0	0	0	0	0	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P241Z	11/01/96	2001	24	LIQUID	LIQUID	7			4			RCRA	Lab	24	0	0	0	0	24	12	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P225WC	11/01/96	2001	40	LIQUID	LIQUID	1			0			PROCESS CONTROL	Lab	2	2	0	0	0	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSTACKS	05/01/97	2001	65	FILTER MEDIA	OTHER	2			14			40CFR61 (CAA)	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	8	0	8	0	0	0	8	0	0	0	0	0	0	0	0	0
PSOLIDWASTE	11/01/96	2001	6	LIQUID (OIL)	OTHER	1			30			RCRA	Lab	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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SubProgramID	RqmtDate	RqmtTy	NoSamples	SampleMatrix	SolMatrix	RefValueLevel	ReportRqmt	AuditAssessRqmt	TurnaroundRqmt	SpecialQcRqmts	SampleDisposal	Project	LabType (Lab or Field)	VOA/SVOA	PEST/PCB	HYDROLOBASE	FLASHPOINT	OTHERORGANIC	ANIONS	METALS	DIOXOFUR	WETCHEM	TCLP/TOC	CN/R	H2S	CN/H	CN/AP	REMISTRY/SPEC	PHC/ADDON	OTHERINORGANICS	ASBESTOS	X-RAY	GEA	U/TH	AM-241	SR-90	TC-99	I-129	PU-238/239/240	HE-3	SR-90	TC-99	I-129	OTHERRADCHEM	Comments
FPSOLIDWASTE	11/01/96	2001	19	LIQUID (OIL)	OTHER	2			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	2001	19	LIQUID (OIL)	OTHER	4			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	2001	19	LIQUID (OIL)	OTHER	7			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	2001	75	LIQUID	LIQUID	1			30			PROCESS CONTROL	Lab	0	0	0	0	0	0	21	3	0	0	0	0	0	0	0	0	38	0	0	0	67	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	2001	13	LIQUID	LIQUID	7			30			RCRA	Lab	1	0	0	0	0	0	13	13	0	0	0	0	0	0	0	0	10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	2001	5	SOLID	SOLID/SOIL	4			30			PROCESS CONTROL	Lab	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	05/01/97	2001	31	SOLID	SOLID/SOIL	7			30			RCRA	Lab	20	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	2001	11	SOLID	SOLID/SOIL	1			30			RCRA	Lab	6	0	0	0	0	0	6	0	5	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	
FP241Z	11/01/96	2002	130	LIQUID	LIQUID	2-5			0			PROCESS CONTROL	Lab	0	0	0	0	0	0	15	0	0	115	0	0	0	0	0	0	0	0	115	0	0	0	0	0	0	0	0	0	0	0	0	0	
FP241Z	11/01/96	2002	24	LIQUID	LIQUID	7			4			RCRA	Lab	24	0	0	0	0	0	24	12	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FP225WC	11/01/96	2002	40	LIQUID	LIQUID	1			0			PROCESS CONTROL	Lab	2	2	0	0	0	2	6	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSTACKS	05/01/97	2002	65	FILTER MEDIA	OTHER	2			14			40CFR61 (CAA)	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	8	0	8	0	0	0	8	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	2002	6	LIQUID (OIL)	OTHER	1			30			RCRA	Lab	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	2002	19	LIQUID (OIL)	OTHER	2			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	2002	19	LIQUID (OIL)	OTHER	4			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	2002	19	LIQUID (OIL)	OTHER	7			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	2002	75	LIQUID	LIQUID	1			30			PROCESS CONTROL	Lab	0	0	0	0	0	0	21	3	0	0	0	0	0	0	0	0	38	0	0	0	67	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	2002	13	LIQUID	LIQUID	7			30			RCRA	Lab	1	0	0	0	0	0	13	13	0	0	0	0	0	0	0	0	10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	2002	5	SOLID	SOLID/SOIL	4			30			PROCESS CONTROL	Lab	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	05/01/97	2002	30	SOLID	SOLID/SOIL	7			30			RCRA	Lab	20	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	2002	11	SOLID	SOLID/SOIL	1			30			RCRA	Lab	6	0	0	0	0	0	6	0	5	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	
FP241Z	11/01/96	1997	130	LIQUID (H2O)	LIQUID	2			2-5			PROCESS CONTROL	Lab	0	0	0	0	0	0	15	0	0	115	0	0	0	0	0	0	0	0	115	0	0	0	0	0	0	0	0	0	0	0	0	0	
FP241Z	11/01/96	1997	24	LIQUID (H2O)	LIQUID	7			4			RCRA	Lab	24	0	0	0	0	0	24	12	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FP225WC	11/01/96	1997	40	LIQUID (H2O)	LIQUID	1			0			PROCESS CONTROL	Lab	2	2	0	0	0	2	6	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSTACKS	11/01/96	1997	147	FILTER MEDIA	OTHER	2			14			40CFR61 (CAA)	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	147	4	0	4	0	0	0	38	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	1997	6	LIQUID (OIL)	OTHER	1			30			RCRA	Lab	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	1997	19	LIQUID (OIL)	OTHER	2			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	1997	19	LIQUID (OIL)	OTHER	4			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	1997	19	LIQUID (OIL)	OTHER	7			30			RCRA	Lab	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	1997	75	LIQUID (H2O)	LIQUID	1			30			PROCESS CONTROL	Lab	0	0	0	0	0	0	21	3	0	0	0	0	0	0	0	0	38	0	0	0	67	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	1997	13	LIQUID (H2O)	LIQUID	7			30			RCRA	Lab	1	0	0	0	0	0	13	13	0	0	0	0	0	0	0	0	10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	1997	5	SOLID	SOLID/SOIL	4			30			PROCESS CONTROL	Lab	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	1997	10	SOLID	SOLID/SOIL	7			30			RCRA	Lab	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSOLIDWASTE	11/01/96	1997	11	SOLID	SOLID/SOIL	1			30			RCRA	Lab	6	0	0	0	0	0	6	0	5	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	
FPSLUDGESTAB	11/01/96	1997	200	SLUDGE	LIQUID	7			1			PROCESS CONTROL	Lab									200																								200	
FPCEMENTATION	11/01/96	1997	50	SOLID	SOLID	7			1			PROCESS CONTROL	Lab									50																									
FPBUTTONBURN	11/01/96	1998	500	SOLID	SOLID	7			1			PROCESS CONTROL	Lab									500										500															
FPIAEA	11/01/96	1997	NEGOTIATED (*)	SOLID/LIQUID	SOLID	7			1			DOE5633.3/5820.2A	Lab																															*	*	
FPNDADRUMS	11/01/96	1997	300	DRUM	SOLID	7			2			DOE5633.3	Lab																															300		
FPNDAINVENTORY	11/01/96	1997	150	Pu INVENTORY	SOLID	7			2			DOE5633.3	Lab																															150		
FPNDASPECIAL	11/01/96	1997	25	PFP SPECIAL REQUEST	SOLID	7			2			PROCESS CONTROL	Lab																															25		
FPNDAOTHER	11/01/96	1997	200	NON-PFP	SOLID	7			2			PROCESS CONTROL	Lab																															200		
FPAIRFILTERS	11/01/96	1997	14500	AIR FILTER	OTHER	7			1			10CFR835	Lab																																14500	
FPLLWTF	11/01/96	1997	130	LIQUID (H2O)	LIQUID	1			2			PROCESS CONTROL	Lab								130		130									130														
FPSLUDGESTAB	11/01/96	1998	200	SLUDGE	LIQUID	7			1			PROCESS CONTROL	Lab									200																								200	
FPCEMENTATION	11/01/96	1998	50	SOLID	SOLID	7			1			PROCESS CONTROL	Lab									50																									
FPBUTTONBURN	11/01/96	1998	500	SOLID	SOLID	7			1			PROCESS CONTROL	Lab									500										500															500
FPIAEA	11/01/96	1998	NEGOTIATED (*)	SOLID/LIQUID	SOLID	7			1			DOE5633.3/5820.2A	Lab																															*	*	
FPNDADRUMS	11/01/96	1998	300	DRUM	SOLID	7			2			DOE5633.3	Lab																															300		
FPNDAINVENTORY	11/01/96	1998	150	Pu INVENTORY	SOLID	7			2			DOE5633.3	Lab																															150		
FPNDASPECIAL	11/01/96	1998	25	PFP SPECIAL REQUEST	SOLID	7			2			PROCESS CONTROL	Lab																															25		
FPNDAOTHER	11/01/96	1998	200	NON-PFP	SOLID	7			2			PROCESS CONTROL	Lab																															200		

SubProgramID	RqmtDDate	RqmtYr	NoSamples	SampleMatrix	SortMatrix	RadiationLevel	ExpeditRqmt	NeedAssistanceYN	TurnaroundRqmt	SpecialNQCRqmts	SampleDisposal	Analyses Requested	LabType (Lab or Field)	VOA/SVOA	PESTICIDE	NITROGEN ORGANIC	FLASHPOINT	OTHERORGANICS	ALKALIS	METALS	RCRA8	VOLCHEM	TCLP OC	CN	HG	CRM	TCLP	DENSITY/PS	PHOSPHORUS	OTHERINORGANICS	MASS SPEC	ASBESTOS	ATPR	GEA	U	AM-241	CS-134	CS-137	H-3	I-129	PU-238/239/240	SR-90	SR-90	TC-99	NON-RAD	INTERNATIONAL	TRU
FPAIRFILTERS	11/01/96	1998	14500	AIR FILTER	OTHER	7			1				Lab																																14500	
FPLLWTF	11/01/96	1998	130	LIQUID (H2O)	LIQUID	1			2			PROCESS CONTROL	Lab							130			130										130															
FPPUVITRIFICATION	11/01/96	1998	TBD	SOLID	SOLID	7			1			PROCESS CONTROL	Lab					TBD	TBD	TBD																									TBD	
FPCALCINER	11/01/96	1998	3000	SOLID/LIQUID	LIQUID	7			1			PROCESS CONTROL	Lab					3000	3000	3000																									3000	
FPSLUDGESTAB	11/01/96	1999	200	SLUDGE	LIQUID	7			1			PROCESS CONTROL	Lab								200																									200	
FPCEMENTATION	11/01/96	1999	50	SOLID	SOLID	7			1			PROCESS CONTROL	Lab								50																										
FPBUTTONBURN	11/01/96	1999	500	SOLID	SOLID	7			1			PROCESS CONTROL	Lab								500										500															500	
FPAEA	11/01/96	1999	NEGOTIATED (*)	SOLID/LIQUID	SOLID	7			1			DOE5633.3/5820.2A	Lab																															*	*
FPNDADRUMS	11/01/96	1999	300	DRUM	SOLID	7			2			DOE5633.3	Lab																															300	
FPNDAINVENTORY	11/01/96	1999	150	Pu INVENTORY	SOLID	7			2			DOE5633.3	Lab																															150	
FPNDASPECIAL	11/01/96	1999	25	PFP SPECIAL REQUEST	SOLID	7			2			PROCESS CONTROL	Lab																															25	
FPNDAOTHER	11/01/96	1999	200	NON-PFP	SOLID	7			2			PROCESS CONTROL	Lab																															200	
FPAIRFILTERS	11/01/96	1999	14500	AIR FILTER	OTHER	7			1			10CFR835	Lab																																14500
FPLLWTF	11/01/96	1999	130	LIQUID (H2O)	LIQUID	1			2			PROCESS CONTROL	Lab							130			130										130															
FPPUVITRIFICATION	11/01/96	1999	TBD	SOLID	SOLID	7			1			PROCESS CONTROL	Lab					TBD	TBD	TBD																									TBD	
FPCALCINER	11/01/96	1999	3000	SOLID/LIQUID	LIQUID	7			1			PROCESS CONTROL	Lab					3000	3000	3000																									3000	
FPSLUDGESTAB	11/01/96	2000	200	SLUDGE	LIQUID	7			1			PROCESS CONTROL	Lab								200																									200	
FPCEMENTATION	11/01/96	2000	50	SOLID	SOLID	7			1			PROCESS CONTROL	Lab								50																										
FPBUTTONBURN	11/01/96	2000	500	SOLID	SOLID	7			1			PROCESS CONTROL	Lab								500										500															500	
FPAEA	11/01/96	2000	NEGOTIATED (*)	SOLID/LIQUID	SOLID	7			1			DOE5633.3/5820.2A	Lab																															*	*
FPNDADRUMS	11/01/96	2000	300	DRUM	SOLID	7			2			DOE5633.3	Lab																															300	
FPNDAINVENTORY	11/01/96	2000	150	Pu INVENTORY	SOLID	7			2			DOE5633.3	Lab																															150	
FPNDASPECIAL	11/01/96	2000	25	PFP SPECIAL REQUEST	SOLID	7			2			PROCESS CONTROL	Lab																															25	
FPNDAOTHER	11/01/96	2000	200	NON-PFP	SOLID	7			2			PROCESS CONTROL	Lab																															200	
FPAIRFILTERS	11/01/96	2000	14500	AIR FILTER	OTHER	7			1			10CFR835	Lab																																14500
FPLLWTF	11/01/96	2000	130	LIQUID (H2O)	LIQUID	1			2			PROCESS CONTROL	Lab							130			130										130															
FPPUVITRIFICATION	11/01/96	2000	TBD	SOLID	SOLID	7			1			PROCESS CONTROL	Lab					TBD	TBD	TBD																									TBD	
FPCALCINER	11/01/96	2000	3000	SOLID/LIQUID	LIQUID	7			1			PROCESS CONTROL	Lab					3000	3000	3000																									3000	
FPSLUDGESTAB	11/01/96	2001	200	SLUDGE	LIQUID	7			1			PROCESS CONTROL	Lab								200																									200	
FPCEMENTATION	11/01/96	2001	50	SOLID	SOLID	7			1			PROCESS CONTROL	Lab								50																										
FPBUTTONBURN	11/01/96	2001	500	SOLID	SOLID	7			1			PROCESS CONTROL	Lab								500										500															500	
FPAEA	11/01/96	2001	NEGOTIATED (*)	SOLID/LIQUID	SOLID	7			1			DOE5633.3/5820.2A	Lab																															*	*
FPNDADRUMS	11/01/96	2001	300	DRUM	SOLID	7			2			DOE5633.3	Lab																															300	
FPNDAINVENTORY	11/01/96	2001	150	Pu INVENTORY	SOLID	7			2			DOE5633.3	Lab																															150	
FPNDASPECIAL	11/01/96	2001	25	PFP SPECIAL REQUEST	SOLID	7			2			PROCESS CONTROL	Lab																															25	
FPNDAOTHER	11/01/96	2001	200	NON-PFP	SOLID	7			2			PROCESS CONTROL	Lab																															200	
FPAIRFILTERS	11/01/96	2001	14500	AIR FILTER	OTHER	7			1			10CFR835	Lab																																14500
FPLLWTF	11/01/96	2001	130	LIQUID (H2O)	LIQUID	1			2			PROCESS CONTROL	Lab							130			130										130															
FPPUVITRIFICATION	11/01/96	2001	TBD	SOLID	SOLID	7			1			PROCESS CONTROL	Lab					TBD	TBD	TBD																									TBD	
FPSLUDGESTAB	11/01/96	2002	200	SLUDGE	LIQUID	7			1			PROCESS CONTROL	Lab								200																									200	
FPCEMENTATION	11/01/96	2002	50	SOLID	SOLID	7			1			PROCESS CONTROL	Lab								50																										
FPBUTTONBURN	11/01/96	2002	500	SOLID	SOLID	7			1			PROCESS CONTROL	Lab								500										500															500	
FPAEA	11/01/96	2002	NEGOTIATED (*)	SOLID/LIQUID	SOLID	7			1			DOE5633.3/5820.2A	Lab																															*	*
FPNDADRUMS	11/01/96	2002	300	DRUM	SOLID	7			2			DOE5633.3	Lab																															300	
FPNDAINVENTORY	11/01/96	2002	150	Pu INVENTORY	SOLID	7			2			DOE5633.3	Lab																															150	
FPNDASPECIAL	11/01/96	2002	25	PFP SPECIAL REQUEST	SOLID	7			2			PROCESS CONTROL	Lab																															25	
FPNDAOTHER	11/01/96	2002	200	NON-PFP	SOLID	7			2			PROCESS CONTROL	Lab																															200	
FPAIRFILTERS	11/01/96	2002	14500	AIR FILTER	OTHER	7			1			10CFR835	Lab																																14500
FPLLWTF	11/01/96	2002	130	LIQUID (H2O)	LIQUID	1			2			PROCESS CONTROL	Lab							130			130										130															
FPPUVITRIFICATION	11/01/96	2002	TBD	SOLID	SOLID	7			1			PROCESS CONTROL	Lab					TBD	TBD	TBD																									TBD	

1197pfpf.xls	TP	Program Sample Projection Funding				
FundCntr	SubProgramID	RqmtIDDate	RqmtYr	FundingSource	FundingAmount	Note
	PFPSOLIDWASTE	11/01/97	1998	TBD	0	TBD
	PFPSOLIDWASTE	11/01/97	1999	TBD	0	TBD
	PFPSOLIDWASTE	11/01/97	2000	TBD	0	TBD
	PFPSOLIDWASTE	11/01/97	2001	TBD	0	TBD
	PFPSOLIDWASTE	11/01/97	2002	TBD	0	TBD

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From: Joyce, Steven M
Sent: Friday, November 21, 1997 1:29 PM
To: Ibsen, Thomas G
Subject: FW: LABORATORY PROJECTION UPDATE

-----Original Message-----
From: Grasher, Alan A
Sent: Friday, November 21, 1997 12:29 PM
To: Joyce, Steven M
Subject: FW: LABORATORY PROJECTION UPDATE

-----Original Message-----
From: **Pappan, Jeffrey L**
Sent: Thursday, November 20, 1997 2:07 PM
To: Grasher, Alan A
Cc: Pennock, Janice L (Jan); Smith, Donald K (Kent); Barron, Pamela K (Kay); Stewart, Susan D; Pappan, Jeffrey L; Speer, Dwayne R
Subject: LABORATORY PROJECTION UPDATE

Al -

Per our telephone conversation this afternoon, Jan Pennock has said that the MYWP for WESF is as accurate as we can be at this time, which would make the 05/01/97 submittal good with very few changes. Kent Smith has said after FY98, all stack samples become the responsibility of BHI, otherwise it's much the same. The Excel file is attached. If you have any questions, or if I can provide additional information, please call. Thanks.

Jeff Pappan

TPbplt-r1.xls

372-0120

TPbplt-r1.xls

PROGRAM TP
SUBPROGRAM Listed

F-10

MTID	SubProgramID	RqmtIDDate	RqmtYr	NoSamples	SampleMatrix	SortMatrix	RadiationLevel	ReportRqmt	NotificationRqmt	TurnaroundRqmt	SpecialQCRqmts	SampleDisposal	Protocol	LabType (Lab or Field)	VOA/SVOA	PEST/PCB	TPH/OIL/GREASE	FLASHPOINT	OTHERORGANIC	ANIONS	METALS	DSC/TGA	WETCHEM	TIC/TOC	CN	OH	CR-VI	TCLP	DENSITY/SPG	PH/COND/OH	OTHERINORGANICS	MASS SPEC	ASBESTOS	AT/TB	GEA	U	AM241	C-14	H-3	I-129	PU238/239/240	SE-79	SR-90	TC-99	NDA	OTHERRADIOCHEM	COMMENT
	WESFPOOLCELL	12/01/97	1998	364	WATER	LIQUID	2			2			PROCESS CONTROL	Lab						364	7			7						728				364	7								7				7 pool cells sampled weekly; non-routine analyses 1X/year/pool as listed.
	WESFPOOLS9&10	12/01/97	1998	8	WATER	LIQUID	2			2			PROCESS CONTROL	Lab																8				8													
	WESFSTACK	12/01/97	1998	8	AIR FILTER	OTHER	2			7			40CFR61	Lab																				8	8								8				Listed under Site Monitoring
	WESFPFCCHAR	12/01/97	1998	1	WATER	LIQUID	2			20			RCRA	Lab	1		1	1	1	1	1			1				1		1				1	1								1				TK-100, TK-50, 221-BF TK-A&B, IX, K-3 duct, hot cell clean-out, window
	WESFPFCCHAR	12/01/97	1998	2	WATER	LIQUID	3			20			RCRA	Lab	2		2	2	2	2	2			2				2		2				2	2								2				TK-100, TK-50, 221-BF TK-A&B, IX, K-3 duct, hot cell clean-out, window
	WESFPFCCHAR	12/01/97	1998	2	WATER	LIQUID	4			20			RCRA	Lab	2		2	2	2	2	2			2				2		2				2	2								2				TK-100, TK-50, 221-BF TK-A&B, IX, K-3 duct, hot cell clean-out, window
	WESFSWCHAR	12/01/97	1998	5	SOLID	SOLID/SOIL	2			20			RCRA	Lab	5	5	5	5	5	5	5			5		2		2		8																	Highly variable, depends on wastes generated.
	WESFCAM	12/01/97	1998	2	AIR FILTER	OTHER	2			7			40CFR835	Field																				2	2								2				Variable, depends on CAM detection of contamination.
	WESFLIQEFF	12/01/97	1998	12	WATER	LIQUID	2			60			PROCESS CONTROL	Lab	24		8		8	4	12		4		4					12				24									12				See A. G. Westra's list for B-Plant; there may be some duplication for 1997.
	WESFLIQEFF	12/01/97	1998	4	WATER	LIQUID	2			60			RCRA	Lab	8		3		3	1	4		1		1					4				8									4				See A. G. Westra's list for B-Plant, there may be some duplication for 1997.
	WESFHOTCELLSMEAR	12/01/97	1998	8	SOLID	SOLID/SOIL	5			10			PROCESS CONTROL	Lab																				8	8								8				
	BPLANT	12/01/97	1998	6	LIQUID	LIQUID	4			3			PROCESS CONTROL	Lab						18		6		6																	6						
	WESFPOOLCELL	12/01/97	1999	364	WATER	LIQUID	2			2			PROCESS CONTROL	Lab						364	7			7						728				364	7								7				7 pool cells sampled weekly; non-routine analyses 1X/year/pool as listed.
	WESFPOOLS9&10	12/01/97	1999	8	WATER	LIQUID	2			2			PROCESS CONTROL	Lab																8				8													
	WESFSTACK	12/01/97	1999	8	AIR FILTER	OTHER	2			7			40CFR61	Lab																				8	8								8				Listed under Site Monitoring
	WESFPFCCHAR	12/01/97	1999	1	WATER	LIQUID	3			20			RCRA	Lab	1		1	1	1	1	1			1				1		1				1	1								1				TK-100, TK-50, 221-BF TK-A&B, IX, K-3 duct, hot cell clean-out, window
	WESFPFCCHAR	12/01/97	1999	1	WATER	LIQUID	4			20			RCRA	Lab	1		1	1	1	1	1			1				1		1				1	1								1				TK-100, TK-50, 221-BF TK-A&B, IX, K-3 duct, hot cell clean-out, window
	WESFSWCHAR	12/01/97	1999	5	SOLID	SOLID/SOIL	2			20			RCRA	Lab	5	5	5	5	5	5	5			5		2		2		8																	Highly variable, depends on wastes generated.
	WESFCAM	12/01/97	1999	2	AIR FILTER	OTHER	2			7			40CFR835	Field																				2	2								2				variable, depends on CAM detection of contamination.
	WESFLIQEFF	12/01/97	1999	12	WATER	LIQUID	2			60			PROCESS CONTROL	Lab	24		8		8	4	12		4		4					12				24									12				See A. G. Westra's list for B-Plant, there may be some duplication for 1997.
	WESFLIQEFF	12/01/97	1999	4	WATER	LIQUID	2			60			RCRA	Lab	8		3		3	1	4		1		1					4				8									4				See A. G. Westra's list for B-Plant, there may be some duplication for 1997.
	WESFPOOLCELL	12/01/97	2000	364	WATER	LIQUID	2			2			PROCESS CONTROL	Lab						364	7			7						728				364	7								7				7 pool cells sampled weekly; non-routine analyses 1X/year/pool as listed.
	WESFPOOLS9&10	12/01/97	2000	8	WATER	LIQUID	2			2			PROCESS CONTROL	Lab																24				24													
	WESFSTACK	12/01/97	2000	8	AIR FILTER	OTHER	2			7			40CFR61																																		Listed under Site Monitoring
	WESFPFCCHAR	12/01/97	2000	1	WATER	LIQUID	3			20			RCRA	Lab	1		1	1	1	1	1			1				1						1	1								1				TK-100, TK-50, 221-BF TK-A&B, IX, K-3 duct, hot cell clean-out, window
	WESFPFCCHAR	12/01/97	2000	1	WATER	LIQUID	4			20			RCRA	Lab	1		1	1	1	1	1			1				1						1	1								1 -				TK-100, TK-50, 221-BF TK-A&B, IX, K-3 duct, hot cell clean-out, window
	WESFSWCHAR	12/01/97	2000	1	SOLID	SOLID/SOIL	1			20			RCRA	Lab	1	1	1	1	1	1	1			1		1		1																			Highly variable, depends on wastes generated.
	WESFCAM	12/01/97	2000	2	AIR FILTER	OTHER	2			7			40CFR835	Field																				2	2								2				variable, depends on CAM detection of contamination.
	WESFLIQEFF	12/01/97	2000	12	WATER	LIQUID	2			60			PROCESS CONTROL	Lab	24		8		8	4	12		4		4					12				24									12				See A. G. Westra's list for B-Plant, there may be some duplication for 1997.
	WESFLIQEFF	12/01/97	2000	4	WATER	LIQUID	2			60			RCRA	Lab	8		3		3	1	4		1		1					4				8									4				See A. G. Westra's list for B-Plant; there may be some duplication for 1997.
	WESFPOOLCELL	12/01/97	2001	364	WATER	LIQUID	2			2			PROCESS CONTROL	Lab						364	7			7						728				364	7								7				7 pool cells sampled weekly; non-routine analyses 1X/year/pool as listed.
	WESFPOOLS9&10	12/01/97	2001	8	WATER	LIQUID	2			2			PROCESS CONTROL	Lab																24				24													
	WESFSTACK	12/01/97	2001	8	AIR FILTER	OTHER	2			7			40CFR61	Lab																				8	8								8				Listed under Site Monitoring

AV54

SAMPID	SD_SubProgramID	RptgEndDate	RptgYr	NoSamples	SampMedium	SortMatrix	SampleLocation	Facility	NoSampleLocations	SampleFrequency	SampleDuration	SampleFrequency	SampleDuration	Comments	Project	Lab	ACETON	BENZEN	METHYLE	N_BUTANOL	STYRENE	TOLUENE	XYLENES	ACRYLO	ACRYLO	BUTYL	ETHYLBE	METHYL	METHYL	PHENOL	STYRENE	TOLUENE	XYLENES	ACETON	BENZEN	METHYLE	N_BUTANOL	STYRENE	TOLUENE	XYLENES	ACETON	BENZEN	METHYLE	N_BUTANOL	STYRENE	TOLUENE	XYLENES	Comments
	WESNPECHAR	11/01/97	2003	3	WATER	LIQUID					20					ECRA	Lab	3	3	3	3	3	3									3																	3	3	
	WESNSOCHAR	11/01/97	2003	3	SOLID	SOLID-SOIL					20					ECRA	Lab	3	3	3	3	3	3									3																	3	3	
	WESNCAM	11/01/97	2003	3	AIR FILTER	OTHER					7					10CFR335	Field																																	Analytes: depends on CAM detection of contamination.
	WESNLIQEFF	11/01/97	2003	12	WATER	LIQUID					60					PROCESS CONTROL	Lab	24			9		9	4	12		4			4					12													12		See A. G. Weaver's list for B-Plant; there may be some duplication for 1997).
	WESNLIQEFF	11/01/97	2001	4	WATER	LIQUID					60					ECRA	Lab	8			3		3	1	4		3			3					4													4		See A. G. Weaver's list for B-Plant; there may be some duplication for 1997).
	WESNPOOLCELL	11/01/97	2002	360	WATER	LIQUID					2					PROCESS CONTROL	Lab							364	7		7								728													364	7	7 sand cells sampled 6 weekly; some weather windows 12 weeks or more.
	WESNPOOLWALL	11/01/97	2002	8	WATER	LIQUID					2					PROCESS CONTROL	Lab																		24													24		
	WESNSTACK	11/01/97	2002	9	AIR FILTER	OTHER					7					10CFR335	Lab																																	9	9	
	WESNSPECCHAR	11/01/97	2002	3	WATER	LIQUID					20					ECRA	Lab	3	3	3	3	3	3									3																	3	3	Listed under Site Monitoring
	WESNSWCHAR	11/01/97	2002	3	SOLID	SOLID-SOIL					20					ECRA	Lab	3	3	3	3	3	3									3																	3	3	TC-106, TC-56, 321-M7 TC; GA-R, IX, K-3 dart, hot cell clean-out, w/laden
	WESNCAM	11/01/97	2002	3	AIR FILTER	OTHER					7					10CFR335	Field																																	Analytes: depends on CAM detection of contamination.
	WESNLIQEFF	11/01/97	2002	12	WATER	LIQUID					60					PROCESS CONTROL	Lab	24			9		9	4	12		4			4					12													12		See A. G. Weaver's list for B-Plant; there may be some duplication for 1997).
	WESNLIQEFF	11/01/97	2002	4	WATER	LIQUID					60					ECRA	Lab	8			3		3	1	4		3			3					4													4		See A. G. Weaver's list for B-Plant; there may be some duplication for 1997).

From: Lucinda_L_Penn@apexc.rl.gov
Sent: Monday, December 22, 1997 1:54 PM
To: Curtis_R_Stroup@apimc01.rl.gov; Alan_A_Grasher@apimc01.rl.gov; Steven_M_Joyce@apimc01.rl.gov
Cc: Lucinda_L_Penn@apexc.rl.gov; Thomas_A_Tom_Dillhoff@apexc.rl.gov
Subject: laboratory usage update

Mr. Stroup.

I have reviewed the information sent by your office for potential modification. The next 6 months laboratory usage projection is identical to the current usage projection. No changes are necessary.

This constitutes the FFTF update for laboratory usage.

Lucinda Penn

fftf1197.xls

PROGRAM IP
SUBPROGRAM Listed

	FFTFWASTECHAR	11/01/97	1998	30	LIQUID	LIQUID	1			1			RCRA	Lab	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0	●	0	●	●	30	●	●	●	●	●	●	●	●	●	●	●	●	
	FFTFWASTECHAR	11/01/97	1999	30	LIQUID	LIQUID	1			1			RCRA	Lab	●	●	●	0	●	●	●	●	●	●	●	●	●	●	0	●	●	●	●	30	●	●	●	●	●	●	●	●	●	●	●	●	
	FFTFWASTECHAR	11/01/97	2000	30	LIQUID	LIQUID	1			1			RCRA	Lab	●	●	●	0	0	●	●	●	●	●	●	●	●	0	●	●	●	●	●	30	●	●	●	●	●	●	●	0	●	●	●	●	
	FFTFWASTECHAR	11/01/97	2001	30	LIQUID	LIQUID	1			1			RCRA	Lab	●	●	●	●	0	●	●	●	0	●	●	●	●	●	●	●	●	●	●	30	●	●	●	●	●	●	0	●	●	●	●	●	
	FFTFWASTECHAR	11/01/97	2002	30	LIQUID	LIQUID	1			1			RCRA	Lab	●	●	●	●	●	●	●	●	0	●	0	●	●	0	●	●	●	0	●	30	●	●	●	●	●	●	●	0	●	●	●	●	

AV13

Inputskt

309b1197.xls

PROGRAM TP
SUBPROGRAM Listed

BOMTID	ProgramID	SampleDate	SampleYear	SampleMatrix	SampleType	TankGroup	TankName	RiskCategory	CampaignID	SampleReason	Analysis	Lab/Field QC	TOTCN	TOTCN_RPD	TOTINORGANIC	CARBONATE	NITRATE	NITRITE	SULFATE	TOTORGC	OXALATE	TOTRAD	AM	CS	H3	NI	SR	TC	U	ANRAD	GROSSALPHA	GROSSBETA	ISOPU	ISOSR	ISOTC	ISOU	DENSITY	TOTSOLIDS	COMMENT
	309TRANCHAR	11/01/97	1998	50	SOLID	SOLID/SOIL	2			21		PROCESS CONTROL	Lab	0	4	0	0	0	0	4	0	0	4	0	0	0	0	0	0	4	0	0	6	50	50	0	10	5	0	0	10	0	10	0	0	0	
	309TRANCHAR	11/01/97	1998	10	SOLID	SOLID/SOIL	2			21		PROCESS CONTROL	Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	Drum Array
	309TRANCHAR	11/01/97	1999	25	SOLID	SOLID/SOIL	2			21		PROCESS CONTROL	Lab	0	4	0	0	0	0	4	0	0	4	0	0	0	0	0	0	4	0	0	5	25	25	0	10	0	0	0	10	0	10	0	0	0	
	309TRANCHAR	11/01/97	1999	8	SOLID	SOLID/SOIL	2			21		PROCESS CONTROL	Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	Drum Array

F-14

AV17

3091197f.xls

Program Sample Projection Funding

Program TP

FundCntr	SubProgramID	RqmtIDDate	RqmtYr	FundingSource	FundingAmount	Note
	309TRANCHAR	11/1/97	1998	6643	51	
	309TRANCHAR	11/1/97	1999	6643	16	

A-7

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F-15

1196tpfd **Program Sample Projection Funding**

Program TP

FundCntr	SubProgramID	RqmtIDDate	RqmtYr	FundingSource	FundingAmount	Note
	309TRANCHAR	11/17/97 01	1998	6643	51	
	309TRANCHAR	11/17/97 01	1999	6643	16	

Rosenberger — Copies to [redacted] 2) S. Doyle

B&W Protec, Inc. HNF-SD-WM-TI-608 Rev. 6
a McDermott company
P.O. Box 800
Richland, WA 99352-0800

November 19, 1997 BWP-9759898 R1

Mr. D. B. Van Leuven, President and General Manager
Waste Management Federal Services
of Hanford, Inc. H6-10
Post Office Box 700
Richland, Washington 99352-0700

Dear Mr. Van Leuven:

ANALYTICAL SERVICES PROJECTIONS UPDATE FOR NOVEMBER 1997

Reference: Letter, D. B. Van Leuvan, WMH, to Distribution, same subject, WMH-9759898, dated October 31, 1997.

B&W Protec, Inc., does not make direct requests for analytical services. Any needs we may have are included by the facilities we support.

Sincerely,

D. L. Baker, Director
Safeguards and Security

jas

Correspondence Control A3-01

BWP - C. W. Walton L4-01

APPENDIX VII

SITE MONITORING PROGRAM INPUTS

G-1-17

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
B. J. Dixon, 376-7053	D. E. McKenney, WHM	DYN-9761049

Subject: ANALYTICAL SERVICES PROJECTION UPDATE FOR NOVEMBER 1997

DISTRIBUTION

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	X
		Fluor Daniel hanford, Inc.		
		T. J. Harper	H8-69	
		Waste Management Federal Services of Hanford, Inc.		
		S. M. Joyce	H6-06	X
		DynCorp Tri-Cities Services, Inc.		
		D. S. Broussard	H5-33	
BJDixon	11/24/97	B. J. Dixon	G3-25	X
	11/25/97	R. S. Frix	H5-33	X
		L. S. McDaniel	G3-25	
	n	J. L. Williams	H5-33	

DynCorp

Tri-Cities Services, Inc.
P.O. Box 1400
Richland, WA 99352
(509) 376-6068
FAX (509) 372-1938

November 21, 1997 DYN-9761049

Mr. R. T. Wilde, Vice President
Waste Management Services
Waste Management Federal Services of Hanford, Inc.
Post Office Box 700
Richland, Washington 99352-0700

Dear Mr. Wilde:

ANALYTICAL SERVICES PROJECTION UPDATE FOR NOVEMBER 1997

Reference: Letter, S. M. Joyce, WMH, to Distribution, same subject, WMH-9759898, dated October 31, 1997.

The information on DynCorp Tri-Cities Services, Inc. analytical needs has been updated per your request in the referenced letter. The data was submitted electronically on November 21, 1997.

Please be advised that these updates are estimates based on historic analytical needs and our projection of future work activities. As an infrastructure services organization, our workscope is largely determined by the needs of others. These projections should not be considered to be a commitment that DYN will require these levels of analytical services work. It should also be noted that funding sources for such service have not yet been identified.

Should you have any questions please feel free to contact Mr. B. J. Dixon of my staff on 376-7053.

Sincerely,

Lon S. McDaniel, Director
Environmental, Safety, Health,
and Quality

mar

BEST AVAILABLE COPY

1197dync.xls

INPUT REQUEST FORM

PROGRAM SM

SUBPROGRAM Listed

0	DYNCORPCLEANUP	11/1/97	1998	204	MISC	SOLID/SOL	1			6		R	RCRA	Lab	204	204	204	204	204	204																											
	DYNCORPCLEANUP	11/1/97	1999	190	MISC	SOLID/SOL	1			6		R	RCRA	Lab	190	190	190	190	190	190																											
	DYNCORPCLEANUP	11/1/97	2000	170	MISC	SOLID/SOL	1			6		R	RCRA	Lab	170	170	170	170	170	170																											
	DYNCORPCLEANUP	11/1/97	2001	180	MISC	SOLID/SOL	1			6		R	RCRA	Lab	180	180	180	180	180	180																											
	DYNCORPCLEANUP	11/1/97	2002	160	MISC	SOLID/SOL	1			6		R	RCRA	Lab	160	150	160	150	150	150																											
	DYNCORPWSCF	11/1/97	1998	50	OIL	OTHER	1			6		R	RCRA	Lab		50																		100													
	DYNCORPWSCF	11/1/97	1999	45	OIL	OTHER	1			6		R	RCRA	Lab		45																		90													
	DYNCORPWSCF	11/1/97	2000	40	OIL	OTHER	1			6		R	RCRA	Lab		40																		80													
	DYNCORPWSCF	11/1/97	2001	35	OIL	OTHER	1			6		R	RCRA	Lab		35																		70													
	DYNCORPWSCF	11/1/97	2002	30	OIL	OTHER	1			6		R	RCRA	Lab		30																		60													
	DYNCORPWSCF	11/1/97	1998	16	MISC	OTHER	1			6		R	RCRA	Lab																				16													
	DYNCORPWSCF	11/1/97	1999	14	MISC	OTHER	1			6		R	RCRA	Lab																				14													
	DYNCORPWSCF	11/1/97	2000	12	MISC	OTHER	1			6		R	RCRA	Lab																				12													
	DYNCORPWSCF	11/1/97	2001	10	MISC	OTHER	1			6		R	RCRA	Lab																				10													
	DYNCORPWSCF	11/1/97	2002	8	MISC	OTHER	1			6		R	RCRA	Lab																				8													
	DYNCORPWSCF	11/1/97	1998	20	SOIL	SOLID/SOL	1			6		R	RCRA	Lab			20																														
	DYNCORPWSCF	11/1/97	1999	18	SOIL	SOLID/SOL	1			6		R	RCRA	Lab			18																														
	DYNCORPWSCF	11/1/97	2000	16	SOIL	SOLID/SOL	1			6		R	RCRA	Lab			16																														
	DYNCORPWSCF	11/1/97	2001	14	SOIL	SOLID/SOL	1			6		R	RCRA	Lab			14																														
	DYNCORPWSCF	11/1/97	2002	12	SOIL	SOLID/SOL	1			6		R	RCRA	Lab			12																														
	DYNCORPWSCF	11/1/97	1998	4	LEACHATE	OTHER	1					R	RCRA	Lab																	6	4															
	DYNCORPWSCF	11/1/97	1999	4	LEACHATE	OTHER	1					R	RCRA	Lab																	6	4															
	DYNCORPWSCF	11/1/97	2000	4	LEACHATE	OTHER	1					R	RCRA	Lab																	6	4															
	DYNCORPWSCF	11/1/97	2001	4	LEACHATE	OTHER	1					R	RCRA	Lab																	6	4															
	DYNCORPWSCF	11/1/97	2002	4	LEACHATE	OTHER	1					R	RCRA	Lab																	6	4															
	DYNCORPWSCF	11/1/97	1998	7	MISC	OTHER	1					R	RCRA	Lab																					7												
	DYNCORPWSCF	11/1/97	1999	7	MISC	OTHER	1					R	RCRA	Lab																					7												
	DYNCORPWSCF	11/1/97	2000	7	MISC	OTHER	1					R	RCRA	Lab																					7												
	DYNCORPWSCF	11/1/97	2001	7	MISC	OTHER	1					R	RCRA	Lab																					7												
	DYNCORPWSCF	11/1/97	2002	7	MISC	OTHER	1					R	RCRA	Lab																					7												
	DYNCORPWSCF	11/1/97	1998	6	NDA	OTHER	1					R	RCRA	Lab																																6	
	DYNCORPWSCF	11/1/97	1999	6	NDA	OTHER	1					R	RCRA	Lab																																6	
	DYNCORPWSCF	11/1/97	2000	6	NDA	OTHER	1					R	RCRA	Lab																																6	
	DYNCORPWSCF	11/1/97	2001	6	NDA	OTHER	1					R	RCRA	Lab																																6	
	DYNCORPWSCF	11/1/97	2002	6	NDA	OTHER	1					R	RCRA	Lab																																6	

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INPUT REQUEST FORM

PROGRAM	SM
SUBPROGRAM	Listed

DYNCORPCLEANUP	11/1/97	1998	204	MISC	SOLID/SOIL	1	6	R	RCRA	Lab	204	204	204	204	204	204				
DYNCORPCLEANUP	11/1/97	1999	190	MISC	SOLID/SOIL	1	6	R	RCRA	Lab	190	190	190	190	190	190				
DYNCORPCLEANUP	11/1/97	2000	170	MISC	SOLID/SOIL	1	6	R	RCRA	Lab	170	170	170	170	170	170				
DYNCORPCLEANUP	11/1/97	2001	160	MISC	SOLID/SOIL	1	6	R	RCRA	Lab	160	160	160	160	160	160				
DYNCORPCLEANUP	11/1/97	2002	150	MISC	SOLID/SOIL	1	6	R	RCRA	Lab	150	150	150	150	150	150				
DYNCORPCLEANUP	11/1/97	2003 - 2046	100	MISC	SOLID/SOIL	1	6	R	RCRA	Lab	100	100	100	100	100	100				
DYNCORPWSCF	11/1/97	1998	50	OIL	OTHER	1	6	R	RCRA	Lab		50							100	
DYNCORPWSCF	11/1/97	1999	45	OIL	OTHER	1	6	R	RCRA	Lab		45							90	
DYNCORPWSCF	11/1/97	2000	40	OIL	OTHER	1	6	R	RCRA	Lab		40							80	
DYNCORPWSCF	11/1/97	2001	35	OIL	OTHER	1	6	R	RCRA	Lab		35							70	
DYNCORPWSCF	11/1/97	2002	30	OIL	OTHER	1	6	R	RCRA	Lab		30							60	
DYNCORPWSCF	11/1/97	2003 - 2046	20	OIL	OTHER	1	6	R	RCRA	Lab		20								
DYNCORPWSCF	11/1/97	1998	16	MISC	OTHER	1	6	R	RCRA	Lab									16	
DYNCORPWSCF	11/1/97	1999	14	MISC	OTHER	1	6	R	RCRA	Lab									14	
DYNCORPWSCF	11/1/97	2000	12	MISC	OTHER	1	6	R	RCRA	Lab									12	
DYNCORPWSCF	11/1/97	2001	10	MISC	OTHER	1	6	R	RCRA	Lab									10	
DYNCORPWSCF	11/1/97	2002	8	MISC	OTHER	1	6	R	RCRA	Lab									8	
DYNCORPWSCF	11/1/97	2003 - 2046	8	MISC	OTHER	1	6	R	RCRA	Lab										
DYNCORPWSCF	11/1/97	1998	20	SOIL	SOLID/SOIL	1	6	R	RCRA	Lab			20							
DYNCORPWSCF	11/1/97	1999	18	SOIL	SOLID/SOIL	1	6	R	RCRA	Lab			18							
DYNCORPWSCF	11/1/97	2000	16	SOIL	SOLID/SOIL	1	6	R	RCRA	Lab			16							
DYNCORPWSCF	11/1/97	2001	14	SOIL	SOLID/SOIL	1	6	R	RCRA	Lab			14							
DYNCORPWSCF	11/1/97	2002	12	SOIL	SOLID/SOIL	1	6	R	RCRA	Lab			12							
DYNCORPWSCF	11/1/97	2003 - 2046	6	SOIL	SOLID/SOIL	1	6	R	RCRA	Lab			6							
DYNCORPWSCF	11/1/97	1998	4	LEACHATE	OTHER	1		R	RCRA	Lab							8	4		
DYNCORPWSCF	11/1/97	1999	4	LEACHATE	OTHER	1		R	RCRA	Lab							8	4		
DYNCORPWSCF	11/1/97	2000	4	LEACHATE	OTHER	1		R	RCRA	Lab							8	4		
DYNCORPWSCF	11/1/97	2001	4	LEACHATE	OTHER	1		R	RCRA	Lab							8	4		
DYNCORPWSCF	11/1/97	2002	4	LEACHATE	OTHER	1		R	RCRA	Lab							8	4		
DYNCORPWSCF	11/1/97	2003 - 2046	4	LEACHATE	OTHER	1		R	RCRA	Lab										
DYNCORPWSCF	11/1/97	1998	7	MISC	OTHER	1		R	RCRA	Lab										7
DYNCORPWSCF	11/1/97	1999	7	MISC	OTHER	1		R	RCRA	Lab										7
DYNCORPWSCF	11/1/97	2000	7	MISC	OTHER	1		R	RCRA	Lab										7
DYNCORPWSCF	11/1/97	2001	7	MISC	OTHER	1		R	RCRA	Lab										7
DYNCORPWSCF	11/1/97	2002	7	MISC	OTHER	1		R	RCRA	Lab										7
DYNCORPWSCF	11/1/97	2003 - 2046	4	MISC	OTHER	1		R	RCRA	Lab										4

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	DYNCORPWSCF	11/1/97	1998	6	NDA	OTHER	1					R	RCRA	Lab																															6		
	DYNCORPWSCF	11/1/97	1999	6	NDA	OTHER	1					R	RCRA	Lab																															6		
	DYNCORPWSCF	11/1/97	2000	6	NDA	OTHER	1					R	RCRA	Lab																															6		
	DYNCORPWSCF	11/1/97	2001	6	NDA	OTHER	1					R	RCRA	Lab																															6		
	DYNCORPWSCF	11/1/97	2002	6	NDA	OTHER	1					R	RCRA	Lab																															6		
	DYNCORPWSCF	11/1/97	2002 - 2045	3	NDA	OTHER	1					R	RCRA	Lab																															3		

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smstacks.xls

INPUT REQUEST FORM

PROGRAM SM

SUBPROGRAM Listed

SMSTID	SubProgramID	RunDate	RunID	NoSamples	SampleMatrix	Contacts	SolidsContent	SolidsUnits	PercentSolids	LiquidContent	LiquidUnits	PercentLiquids	SolidsPhase	LiquidPhase	AMOUNT OF SAMPLE (ML)	VOLATILES	PETROCS	NITROCHEMICALS	ACIDPHEN	NITROAROMATIC	HALOGENS	METALS	PCB/TOTAL	PESTICIDES	TCLP VOA	TCLP SVOA	TCLP PEST	TCLP METALS	TOTAL	TOC	PH	BTU	DENSITY	TOTAL ORGANIC HALIDES	FLASH POINT	CYANIDE	REACTIVITY	OTHER PROCESS	COMMENTS
SMAEARCHIVE		10/01/97	1998	164	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	164	164	0	0	0	0	0	0	0	0	
SMAEARCHIVE		10/01/97	1999	164	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	164	164	0	0	0	0	0	0	0	0	
SMAEARCHIVE		10/01/97	2000	164	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	164	164	0	0	0	0	0	0	0	0	
SMAEARCHIVE		10/01/97	2001	164	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	164	164	0	0	0	0	0	0	0	0	
SMAEARCHIVE		10/01/97	2002	164	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	164	164	0	0	0	0	0	0	0	0	
SMAEPLANT		10/01/97	1998	26	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	4	0	4	0	0	0	0	0	0	
SMAEPLANT		10/01/97	1999	26	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	4	0	4	0	0	0	0	0	0	
SMAEPLANT		10/01/97	2000	26	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	4	0	4	0	0	0	0	0	0	
SMAEPLANT		10/01/97	2001	26	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	4	0	4	0	0	0	0	0	0	
SMAEPLANT		10/01/97	2002	26	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	4	0	4	0	0	0	0	0	0	
SMAEPLANT		10/01/97	1998	6	LIQUID	LIQUID	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	6	0	0	0	0	0	0	
SMAEPLANT		10/01/97	1999	6	LIQUID	LIQUID	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	6	0	0	0	0	0	0	
SMAEPLANT		10/01/97	2000	6	LIQUID	LIQUID	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	6	0	0	0	0	0	0	
SMAEPLANT		10/01/97	2001	6	LIQUID	LIQUID	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	6	0	0	0	0	0	0	
SMAEPLANT		10/01/97	2002	6	LIQUID	LIQUID	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	6	0	0	0	0	0	0	
SMAEEA331F		11/01/97	1998	12	LIQUID	LIQUID	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	12	0	0	0	12	0	0	
SMAEEA331F		11/01/97	1999	12	LIQUID	LIQUID	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	12	0	0	0	12	0	0	
SMAEEA331F		11/01/97	2000	12	LIQUID	LIQUID	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	12	0	0	0	12	0	0	
SMAEEA331F		11/01/97	2001	12	LIQUID	LIQUID	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	12	0	0	0	12	0	0	
SMAEEA331F		11/01/97	2002	12	LIQUID	LIQUID	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	12	0	0	0	12	0	0	
SMAELVDEFF		11/01/97	1998	30	LIQUID	LIQUID	1		45					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	34	30	0	12	0	30	0	0	
SMAELVDEFF		11/01/97	1999	30	LIQUID	LIQUID	1		45					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	34	30	0	12	0	30	0	0	
SMAELVDEFF		11/01/97	2000	30	LIQUID	LIQUID	1		45					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	34	30	0	12	0	30	0	0	
SMAELVDEFF		11/01/97	2001	30	LIQUID	LIQUID	1		45					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	34	30	0	12	0	30	0	0	
SMAELVDEFF		11/01/97	2002	30	LIQUID	LIQUID	1		45					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	34	30	0	12	0	30	0	0	
SMAEPUREX		11/01/97	1998	12	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	4	0	4	0	0	0	4	0	0	
SMAEPUREX		11/01/97	1999	12	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	4	0	4	0	0	0	4	0	0	
SMAEPUREX		11/01/97	2000	12	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	4	0	4	0	0	0	4	0	0	
SMAEPUREX		11/01/97	2001	12	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	4	0	4	0	0	0	4	0	0	
SMAEPUREX		11/01/97	2002	12	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	4	0	4	0	0	0	4	0	0	
SMAETPLANT		10/01/97	1998	26	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	4	0	4	0	0	0	4	0	0	
SMAETPLANT		10/01/97	1999	26	AIR FILTER	OTHER	1		99					10CFR824	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	4	0	4	0	0	0	4	0	0	

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InputK

OMTID	SubProgramID	RqmtIDDate	RqmtYr	NoSamples	SampleMatrix	SortMatrix	RadiationLevel	ReportRqmt	NotificationRqmt	TurnaroundRqmt	SpecialQCRqmts	SampleDisposal	Protocol	LabType (Lab or Field)	VOA/SVOA	PEST/PCB	TPH/OIL/GREASE	FLASHPOINT	OTHERORGANIC	ANIONS	METALS	DSC/TGA	WETCHEM	TIC/TOC	CN	HG	CR-VI	TCLP	DENSITY/SPG	PH/COND/OH	OTHERINORGANICS	MASS SPEC	ASBESTOS	AT/TB	GEA	U	AM-241	C-14	H-3	I-129	PU-238/239/240	SE-79	SR-90	TC-99	NDA	OTHERRADIOCHEM	COMMENT
	SMAETPLANT	11/01/97	2000	26	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	
	SMAETPLANT	11/01/97	2001	26	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	
	SMAETPLANT	11/01/97	2002	26	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	
	SMAEWESTTF	11/01/97	1998	133	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	13	0	13	0	0	0	13	0	13	0	0	0	
	SMAEWESTTF	11/01/97	1999	133	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	13	0	13	0	0	0	13	0	13	0	0	0	
	SMAEWESTTF	11/01/97	2000	133	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	13	0	13	0	0	0	13	0	13	0	0	0	
	SMAEWESTTF	11/01/97	2001	133	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	13	0	13	0	0	0	13	0	13	0	0	0	
	SMAEWESTTF	11/01/97	2002	133	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	13	0	13	0	0	0	13	0	13	0	0	0	
	SMAEWESP	11/01/97	1998	198	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	187	36	0	25	0	0	0	25	0	25	0	0	0	
	SMAEWESP	11/01/97	1999	198	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	187	36	0	25	0	0	0	25	0	25	0	0	0	
	SMAEWESP	11/01/97	2000	198	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	187	36	0	25	0	0	0	25	0	25	0	0	0	
	SMAEWESP	11/01/97	2001	198	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	187	36	0	25	0	0	0	25	0	25	0	0	0	
	SMAEWESP	11/01/97	2002	198	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	187	36	0	25	0	0	0	25	0	25	0	0	0	
	SM242A	11/01/97	1998	42	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	20	0	4	0	0	0	4	0	4	0	0	0	
	SM242A	11/01/97	1999	42	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	20	0	4	0	0	0	4	0	4	0	0	0	
	SM242A	11/01/97	2000	42	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	20	0	4	0	0	0	4	0	4	0	0	0	
	SM242A	11/01/97	2001	42	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	20	0	4	0	0	0	4	0	4	0	0	0	
	SM242A	11/01/97	2002	42	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	20	0	4	0	0	0	4	0	4	0	0	0	
	SM242A	11/01/97	1998	12	LIQUID	LIQUID	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	12	0	0	0	12	0	12	0	0	0	
	SM242A	11/01/97	1999	12	LIQUID	LIQUID	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	12	0	0	0	12	0	12	0	0	0	
	SM242A	11/01/97	2000	12	LIQUID	LIQUID	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	12	0	0	0	12	0	12	0	0	0	
	SM242A	11/01/97	2001	12	LIQUID	LIQUID	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	12	0	0	0	12	0	12	0	0	0	
	SM242A	11/01/97	2002	12	LIQUID	LIQUID	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	12	0	0	0	12	0	12	0	0	0	
	SMWRAP	11/01/97	1998	20	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	3	0	3	0	0	0	6	0	3	0	0	0	
	SMWRAP	11/01/97	1999	20	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	3	0	3	0	0	0	6	0	3	0	0	0	
	SMWRAP	11/01/97	2000	20	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	3	0	3	0	0	0	6	0	3	0	0	0	
	SMWRAP	11/01/97	2001	20	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	3	0	3	0	0	0	6	0	3	0	0	0	
	SMWRAP	11/01/97	2002	20	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	3	0	3	0	0	0	6	0	3	0	0	0	
	SMAEPFP	11/01/97	1998	52	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	16	0	0	0	0	0	
	SMAEPFP	11/01/97	1999	52	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	16	0	0	0	0	0	
	SMAEPFP	11/01/97	2000	52	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	16	0	0	0	0	0	
	SMAEPFP	11/01/97	2001	52	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	16	0	0	0	0	0	
	SMAEPFP	11/01/97	2002	52	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	16	0	0	0	0	0	
	SMAE100N	11/01/97	1998	15	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	2	0	2	0	0	0	2	0	2	0	0	0	
	SMAE100N	11/01/97	1999	15	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	2	0	2	0	0	0	2	0	2	0	0	0	
	SMAE100N	11/01/97	2000	15	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	2	0	2	0	0	0	2	0	2	0	0	0	
	SMAE100N	11/01/97	2001	15	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	2	0	2	0	0	0	2	0	2	0	0	0	
	SMAE100N	11/01/97	2002	15	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	2	0	2	0	0	0	2	0	2	0	0	0	
	SMNFMAIR	11/01/97	1998	1115	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1115	86	86	20	0	0	0	86	0	86	0	0	0	
	SMNFMAIR	11/01/97	1999	1115	AIR FILTER	OTHER	1			90			10CFR834	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1115	86	86	20	0	0	0	86	0	86	0	0	0	

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Input/Ext

MATID	SubProgramID	SampleDate	SampleYear	MatSampNo	SampleMatrix	SortMatrix	PackageVolume	NoContainers	NoSubsamples	NoAnalyses	NoReplicates	NoSpikes	SampleType	LabTech (Lab or Field)	VOA/TOX/O	PESTPCB	HERB/ORGANIC	ALK/SPEC	OTHERORGANIC	PHENOL	METALS	RADIOCHEM	MISCCHEM	TOXICITY	TCLP	ICP	GFAA	CVAA	TOX	CONSTITUENTS	PHYSCHEM	OTHERINORGANICS	MASS SPEC	AGGREGATES	TOTRS	RESRS	MAJOR	MINOR	TRACE	ULTRA	PHYSCHEM	MICRO	RESPEC	CCMS	HEADSPACE	OTHERINORGANICS	COMMENT
	SAMPMAIR	10/01/97	2000	1116	AIR FILTER	OTHER	1		99			16CFR93I	Lab	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1116	99	99	29	0	0	0	0	99	0	99	0	0	0
	SAMPMAIR	10/01/97	2002	1116	AIR FILTER	OTHER	1		99			16CFR93I	Lab	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1116	99	99	29	0	0	0	0	99	0	99	0	0	0
	SAMPWATER	10/01/97	1998	36	WATER	LIQUID	1		99			16CFR93I	Lab	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	112	0	0	34	36	36	0	0	12	0	36	0	36	0	0	0
	SAMPWATER	10/01/97	1999	36	WATER	LIQUID	1		99			16CFR93I	Lab	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	112	0	0	34	36	36	0	0	12	0	36	0	36	0	0	0
	SAMPWATER	10/01/97	2000	36	WATER	LIQUID	1		99			16CFR93I	Lab	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	112	0	0	34	36	36	0	0	12	0	36	0	36	0	0	0
	SAMPWATER	10/01/97	2001	36	WATER	LIQUID	1		99			16CFR93I	Lab	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	112	0	0	34	36	36	0	0	12	0	36	0	36	0	0	0
	SAMPWATER	10/01/97	2002	36	WATER	LIQUID	1		99			16CFR93I	Lab	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	112	0	0	34	36	36	0	0	12	0	36	0	36	0	0	0
	SAMPVEG	10/01/97	1998	73	VEGETATION	OTHER	1		99			16CFR93I	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	73	0	0	0	0	73	0	73	0	0	0
	SAMPVEG	10/01/97	1999	73	VEGETATION	OTHER	1		99			16CFR93I	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	73	0	0	0	0	73	0	73	0	0	0
	SAMPVEG	10/01/97	2000	73	VEGETATION	OTHER	1		99			16CFR93I	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	73	0	0	0	0	73	0	73	0	0	0
	SAMPVEG	10/01/97	2001	73	VEGETATION	OTHER	1		99			16CFR93I	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	73	0	0	0	0	73	0	73	0	0	0
	SAMPVEG	10/01/97	2002	73	VEGETATION	OTHER	1		99			16CFR93I	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	73	0	0	0	0	73	0	73	0	0	0
	SAMPSOIL	10/01/97	1998	73	SOIL	SOLID-SOIL	1		99			16CFR93I	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	73	0	0	0	0	73	0	73	0	0	0
	SAMPSOIL	10/01/97	1999	73	SOIL	SOLID-SOIL	1		99			16CFR93I	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	73	0	0	0	0	73	0	73	0	0	0
	SAMPSOIL	10/01/97	2000	73	SOIL	SOLID-SOIL	1		99			16CFR93I	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	73	0	0	0	0	73	0	73	0	0	0
	SAMPSOIL	10/01/97	2001	73	SOIL	SOLID-SOIL	1		99			16CFR93I	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	73	0	0	0	0	73	0	73	0	0	0
	SAMPSOIL	10/01/97	2002	73	SOIL	SOLID-SOIL	1		99			16CFR93I	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	73	0	0	0	0	73	0	73	0	0	0
	SAMPANDMTN	10/01/97	1998	76	OTHER	OTHER	1		99			16CFR93I	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	80	76	0	0	0	76	0	76	0	0	0
	SAMPANDMTN	10/01/97	1999	76	OTHER	OTHER	1		99			16CFR93I	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	80	76	0	0	0	76	0	76	0	0	0
	SAMPANDMTN	10/01/97	2000	76	OTHER	OTHER	1		99			16CFR93I	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	80	76	0	0	0	76	0	76	0	0	0
	SAMPANDMTN	10/01/97	2001	76	OTHER	OTHER	1		99			16CFR93I	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	80	76	0	0	0	76	0	76	0	0	0
	SAMPANDMTN	10/01/97	2002	76	OTHER	OTHER	1		99			16CFR93I	Lab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	80	76	0	0	0	76	0	76	0	0	0

0597smfd		Program Sample Projection Funding				
SM	Program					
FundCtrl	SubProgramID	RqmtIDDate	RqmtYr	FundingSource	FundingAmount	Note
	DYNCORPCLEANUP	11/01/97	1998	TBD	0	
	DYNCORPCLEANUP	11/01/97	1999	TBD	0	
	DYNCORPCLEANUP	11/01/97	2000	TBD	0	
	DYNCORPCLEANUP	11/01/97	2001	TBD	0	
	DYNCORPCLEANUP	11/01/97	2002	TBD	0	
	DYNCORPCLEANUP	11/01/97	2003 -2046	TBD	0	
	DYNCORPWSCF	11/01/97	1998	TBD	0	
	DYNCORPWSCF	11/01/97	1999	TBD	0	
	DYNCORPWSCF	11/01/97	2000	TBD	0	
	DYNCORPWSCF	11/01/97	2001	TBD	0	
	DYNCORPWSCF	11/01/97	2002	TBD	0	
	DYNCORPWSCF	11/01/97	2003 -2046	TBD	0	

0597smsp	SubProgram Information				
Program	SM				
SubProgramID	SubProgramName	ProgramID	Location	Contact Name	Note
DYNCORPCLEANUP	SM DYNCORPCLEANUP	SM		BJ Dixon	
DYNCORPWSCF	SM DYNCORPWSCF	SM		BJ Dixon	

Pacific Northwest National Laboratory
Operated by Battelle for the U.S. Department of Energy

December 5, 1997

Mr. D. B. Van Leuven, President and General Manager
Waste Management Federal Services of Hanford, Inc.
P. O. Box 700
Richland, WA 99352-7000

Dear Mr. Van Leuven:

ANALYTICAL SERVICES PROJECTIONS UPDATE FOR NOVEMBER 1997

Ref: Your letter, same subject, dated October 31, 1997.

As requested in your letter, we have completed our projections of analytical needs for those projects that the Pacific Northwest National Laboratory is responsible. Those projections are attached in the format requested in your letter. I have also ensured that they have been electronically transmitted today to S. M. Joyce.

If you have any questions, please contact me, or Barbara Gillespie, at 376-5802.

Very truly yours,

J. M. Latkovich
Project Management Group

JML:ksg
Attachments

cc: S. M. Joyce, RFSH, w/att.

Battelle Boulevard ■ P.O. Box 999 ■ Richland, WA 99352
Telephone (509) 372-4250 ■ Email jm_latkovich@pnl.gov ■ Fax (509) 372-4747

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Analytical Sample Projections

FY 1998

Program: See below.

Number of Samples	Sample Matrix	Analytical Protocol	Level of Radiation	VOA/Semi-VOA	Pest/PCBs	Wet/Inorg & Cyanide	Flash Point	Other Organics	Alkalinity	Anions	Metals	DSC/TGA	Wet Chemistry	TOC/TIC	TOX	Cyanide	Mercury	Cr-VI	TCLP	Density/SpG	pH/Conductivity/Oil-	Other Inorganics	Asbestos	COD/Coliforms	Gross Alpha/Beta	Gamma Energy Analysis	Uranium	Am-241	C-14	H-3	I-129	Pu-238/239/240	Sr-90	Tc-99	TLDs	Other Radio-Chem.	Source of Funding	Amount of Funding	Required turn around for Data Report (Days)	Comments
SURFACE ENVIRONMENTAL SURVEILLANCE PROJECT																																				EM70			
18	Sediment/Soil	DOE	0								18															31	31					10		31				35	
25	Tissue	DOE	0																							54	20							54				35	
13	Vegetation	DOE	0																							9								13				35	
8	Wine	DOE	0																							4				14								35	
17	Milk	DOE	0																							4					4			12				35	
819	Air	DOE	0																						819	97	17			256	4	32		23				35	
8	Filter/Resin	DOE	0																							8						8						35	
123	Water	DOE	0	109						109	106					28	37								101	49	133			147	10	8		141	32				
18	Drinking Water	SDWA	0																						18	4	4			18				18	4				
264	External Rad.	DOE	0																																264				
GROUNDWATER MONITORING PROJECT																																							
2706	Water	DOE/LTM	1	396		42		140		629	1042	973		1691	1666	117	140	2				467		110	1612	357	302	2	22	1064	398	27		288	398		1	EM40		45	
BIOASSAY PROJECT																																							
3160	Urine	DOE	0																							500	60			215		1650		650		65		$250K	30	PHMC, EB, PNNL
55	Fecal	DOE	0																								20					35						$ 20K	30	PHMC, EB, PNNL
300AREA EFFLUENT MONITORING																																							
	Air																								300	4	4	4		24		4		4			EM30	$75K		PNNL
	Water			1	1					4	4					4	4							4													EM30	$2K		PNNL

	Gas	0
	Filter	1
	Liquid	2
	Solid/Soil	3
	Sludge	4
	Other	5
		6

Non-Radioactive
< 1 mR/hr - ; < 10 nCi/g
1 mR/hr - to < 10 mR/hr - ;and < 10nCi/g
< 10 mR/hr - ; and ≤ 200nCi/g
10 mR/hr - to < 100 mR/hr - ;and ≤ 200nCi/g
> 100 mR/hr -
> 200 nCi/g

RCRA
CLP
CWA - Clean Water Act
PC - Process Control
II - Industrial Control
Other

HNF-SD-WM-TI-608 Rev. 6

Analytical Sample Projections

FY 1999

Program: See below.

Number of Samples	Sample Matrix	Analytical Protocol	Level of Radiation	VOA/Semi-VOA	Pest/PCBs	WTPHCid & Grease	Flash Point	Other Organics	Alkalinity	Anions	Metals	DBS/TOA	Wet Chemistry	TOC/TIC	TOX	Cyanide	Mercury	Cr-VI	TCLP	Density/SpG	pH/Conductivity/OH-	Other Inorganics	Asbestos	COD/Coliforms	Gross Alpha/Beta	Gamma Energy Analysis	Uranium	Am-241	C-14	H-3	I-129	Pu-238/239/240	Sr-79	Sr-90	Tc-99	TLDs	Other Radio-Chem.	Source of Funding	Amount of Funding	Required turn around for Data Report (Days)	Comments
SURFACE ENVIRONMENTAL SURVEILLANCE PROJECT																																					EM70			
18	Sediment/Soil	DOE	0								18														18	18								18					35	
25	Tissue	DOE	0																						50	10								50					35	
13	Vegetation	DOE	0																						13									13					35	
8	Wine	DOE	0																						8				14										35	
12	Milk	DOE	0																						12					6				12					35	
819	Air	DOE	0																						819	97	17			256	14	32		23					35	
8	Filter/Resin	DOE	0																							8						8							35	
123	Water	DOE	0	106						106	106					28	37								101	49	133			147	10	8		141	32				35	
18	Drinking Water	SDWA	0																						18	4	4			18				18	4					
264	External Rad.	DOE	0																																	264				
GROUNDWATER MONITORING PROJECT																																								
2700	Water	DOE/LTM	1	396		42		140		829	1042	973			1691	1666	117	140	2			467		110	1612	357	302	2	22	1064	398	27		298	398		1	EM40		45	
BIOASSAY PROJECT																																								
3160	Urine	DOE	0																							500	80			215		1850		650		65			$750K	30	PHMC, ER, PNNL
55	Fecal	DOE	0																								20					35							$ 20K	30	PHMC, ER, PNNL
300AREA EFFLUENT MONITORING																																								
	Air																								309	4	4	4		24		4		4				EM30	$75K		PNNL
	Water			1	1					4	4					4	4							4														EM30	$2K		PNNL

Gas		0	Non-Radioactive
Filter		1	< 1 mR/hr - ; < 10 nCi/g
Liquid		2	1 mR/hr - to < 10 mR/hr - ; and < 10 nCi/g
Solid/Soil		3	< 10 mR/hr - ; and < 200 nCi/g
Sludge		4	10 mR/hr - to < 100 mR/hr - ; and < 200 nCi/g
Other		5	> 100 mR/hr
		6	> 200 nCi/g

	RCRA
	CLP
	CWA - Clean Water Act
	PC - Process Control
	IC - Industrial Control
	Other

HNF-SD-WM-TI-608 Rev. 6

Analytical Sample Projections

FY 2000

Program:

Number of Samples	Sample Matrix	Analytical Protocol	Level of Radiation	VOA/Semi-VOA	Pest/PCBs	WTP/HDW & Grasses	Flash Point	Other Organics	Alkalinity	Anions	Metals	DSC/TGA	Wet Chemistry	TOC/TIC	TOX	Cyanide	Mercury	Cr-VI	TCLP	Density/SpG	pH/Conductivity/ORP	Other Inorganics	Asbestos	COD/Coliforms	Gross Alpha/Beta	Gamma Energy Analysis	Uranium	Am-241	C-14	H-3	I-129	Pu-238/239/240	Sr-70	Sr-90	Tc-99	TLDs	Other Radio-Chem.	Source of Funding	Amount of Funding	Required turn around for Data Report (Days)	Comments
SURFACE ENVIRONMENTAL SURVEILLANCE PROJECT																																					EM70			
18	Sediment/Soil	DOE	0								18															31	31					10		31					35	
25	Tissue	DOE	0																							54	20							54					35	
13	Vegetation	DOE	0																							9								13					35	
8	Wine	DOE	0																							4				14									35	
12	Milk	DOE	0																							4					4			12					35	
819	Air	DOE	0																						819	97	17			256	4	32		23					35	
8	Filter/Swipe	DOE	0																							8								8					35	
173	Water	DOE	0	106							106	106				28	37								101	49	133			147	10	8		141	32				35	
18	Drinking Water	SDWA	0																						18	4	4			18				18	4					
264	External Rad	DOE	0																																	264				
GROUNDWATER MONITORING PROJECT																																								
2700	Water	DOE/LTM	1	396		42		140		628	1042	973			1691	1666	117	140	2			467		110	1612	357	302	2	72	1084	398	27		298	398		1	EM40		45	
BIOASSAY PROJECT																																								
3160	Urine	DOE	0																							500	80			215		1650		650		65			$750K	30	PHMC, ER, PNNL
55	Fecal	DOE	0																								20					35							$ 20K	30	PHMC, ER, PNNL
200AREA EFFLUENT MONITORING																																								
	Air																								300	4	4	4		24		4		4				EM30	$75K		PNNL
	Water			1	1						4	4				4	4							4														EM30	$2K		PNNL
	Gas		0	Non-Radioactive																																					
	Filter		1	< 1 mR/hr - ; < 10 nCi/g																																					
	Liquid		2	1 mR/hr - to < 10 mR/hr - ; and < 10nCi/g																																					
	Solid/Soil		3	< 10 mR/hr - ; and < 200 nCi/g																																					
	Sludge		4	10 mR/hr - to < 100 mR/hr - ; and < 200nCi/g																																					
	Other		5	> 100 mR/hr -																																					
			6	> 200 nCi/g																																					
		RCRA																																						
		CLP																																						
		CWA - Clean Water Act																																						
		PC - Process Control																																						
		IH - Industrial Control																																						
		Other																																						

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HNF-SD-WM-TI-608 Rev. 6

Analytical Sample Projections

FY 2001

Program: As Below

Number of Samples	Sample Matrix	Analytical Protocol	Level of Radiation	VOA/Semi-VOA	Pest/PCBs	WTPHOH & Phenols	Flash Point	Other Organics	Alkalinity	Anions	Metals	DSC/TGA	Wet Chemistry	TOC/TIC	TOX	Cyanide	Mercury	Cr-VI	TCLP	Density/SpG	pH/Conductivity/ORP	Other Inorganics	Asbestos	ODDs+Coliforms	Gross Alpha/Beta	Gamma Energy Analysis	Uranium	Am-241	C-14	H-3	I-129	Pu-238/239/240	Sr-79	Sr-90	Tc-99	TLDs	Other Radio-Chem.	Source of Funding	Amount of Funding	Required turn around for Data Report (Days)	Comments
SURFACE ENVIRONMENTAL SURVEILLANCE PROJECT																																					EM70		35	
18	Sediment/Soil	DOE	0								18														18	18								18					35	
25	Tissue	DOE	0																						50	10								50					35	
13	Vegetation	DOE	0																						13									13					35	
8	Wine	DOE	0																						8														35	
12	Milk	DOE	0																						12				14		6			12					35	
818	Air	DOE	0																						818	97	17			266	14	32		23					35	
8	Filter/Resin	DOE	0																						6							8							35	
123	Water	DOE	0	100							109	109				28	37								101	49	133			147	10	9		141	32					
18	Drinking Water	SDWA	0																						18	4	4			18				18	4					
264	External Rad.	DOE	0																																	264				
GROUNDWATER MONITORING PROJECT																																								
2706	Water	DOE/LTM	1	386		42		140	629	1042	873			1691	1666	117	140	2				467		110	1612	357	302	2	22	1064	398	27		298	398		1	EM40		45	
BIOASSAY PROJECT																																									
3900	Urine	DOE	0																							500	80			215		1650		650		65			$750K		30	PHMC, EII, PNNL
55	Fecal	DOE	0																								20					35							$ 20K		30	PHMC, EII, PNNL
300AREA EFFLUENT MONITORING																																									
	Air																								300	4	4	4		24		4		4			EM30	$75K		PNNL
	Water			1	1					4	4					4	4							4														EM30	$7K		PNNL
	Gas		0	Non-Radioactive																																					
	Filter		1	< 1 mR/hr - ; < 10 nCi/g																																					
	Liquid		2	1 mR/hr - to < 10 mR/hr - ; and < 10nCi/g																																					
	Solid/Soil		3	< 10 mR/hr - ; and < 200 nCi/g																																					
	Sludge		4	10 mR/hr - to < 100 mR/hr - ; and <200nCi/g																																					
	Other		5	> 100 mR/hr -																																					
			6	> 200 nCi/g																																					
		RCRA																																							
		CLP																																							
		CWA - Clean Water Act																																							
		PC - Process Control																																							
		III - Industrial Control																																							
		Other																																							

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Analytical Sample Projections
FY 2002

Program: As Below

Number of Samples	Sample Matrix	Analytical Protocol	Level of Radiation	VOAs/SemiVOAs	Pest/PCBs	WTPH/Oil & Grease	Flash Point	Other Organics	Alkalinity	Anions	Metals	DSC/TGA	Wet Chemistry	TOC/TIC	TOX	Cyanide	Mercury	Cr VI	TCLP	Density/SpG	pH/Conductivity/ORP	Other Inorganics		Asbestos		CODar/Coliforms		Gross Alpha/Beta	Gamma Energy Analysis	Uranium	Am-241	C-14	H-3	I-129	Pu-238/239/240	Sr-90	Tc-99	TLDs	Other Radio-Chem.	Source of Funding	Amount of Funding	Required turn around for Data Report (Days)	Comments
SURFACE ENVIRONMENTAL SURVEILLANCE PROJECT																																							EM70			
18	Sediment/Soil	DOE	0								18																	31	31					10		31					35	
25	Tissue	DOE	0																									54	20							54					35	
13	Vegetation	DOE	0																									9								13					35	
8	Wine	DOE	0																									4													35	
12	Milk	DOE	0																									4				14				17					35	
819	Air	DOE	0																									819	97	17			256	4	32	23					35	
8	Filter/Resin	DOE	0																										8						8						35	
123	Water	DOE	0	106						106	106					28	37											101	49	133			147	10	8	141	32				35	
18	Drinking Water	SDWA	0																									18	4	4			18			18	4					
264	External Rad.	DOE	0																																			264				
GROUNDWATER MONITORING PROJECT																																										
2700	Water	DOE/LTM	1	398		42		140		629	1042	973			1691	1666	117	140	2			467			110			1612	357	302	2	22	1064	398	27	298	398		1	EM40		45	
BIOASSAY PROJECT																																										
3160	Urine	DOE	0																										500	80			215		1650	650		65		$250K	30	PHMC, ER, PNNL
56	Fecal	DOE	0																											20					35					$ 20K	30	PHMC, ER, PNNL
300AREA EFFLUENT MONITORING																																										
	Air																											300	4	4	4		24		4	4				$75K		PNNL
	Water			1	1					4	4					4	4								4															$2K		PNNL

Gas
Filter
Liquid
Solid/Soil
Sludge
Other

0	Non-Radioactive
1	< 1 mR/hr - ; < 10 nCi/g
2	1 mR/hr - to < 10 mR/hr - ; and < 10nCi/g
3	< 10 mR/hr - ; and < 200 nCi/g
4	10 mR/hr - to < 100 mR/hr - ; and < 200nCi/g
5	> 100 mR/hr -
6	> 200 nCi/g

RCRA
CLP
CWA - Clean Water Act
PC - Process Control
IH - Industrial Control
Other