



EM 2002 Mid Year Review Argonne National Laboratory West Phytoremediation

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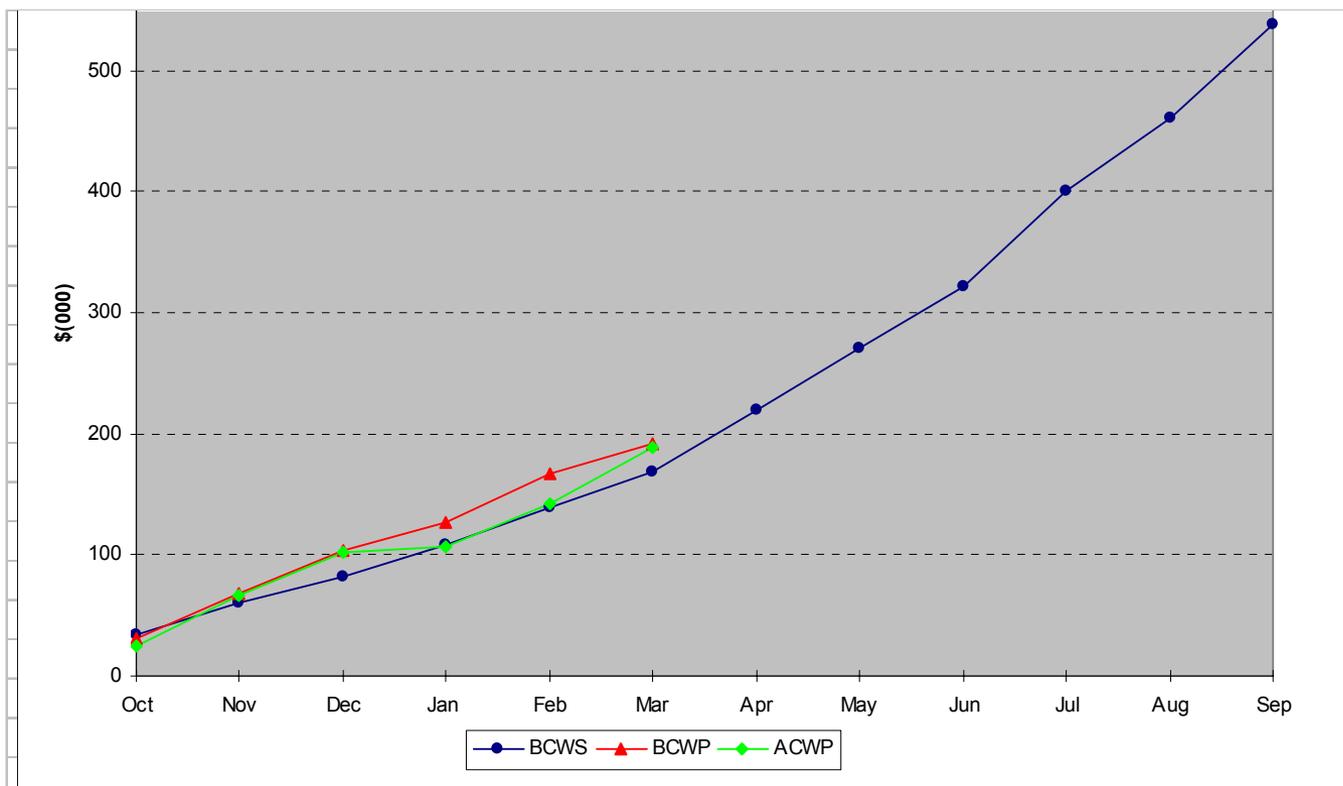


Argonne West

- Fourth and final year of phytoremediation for EM sites will be completed in late FY 2002/early FY 2003
- Verification sampling and analysis, to document that remediation goals have been met, will be completed in FY 2003
- Long-term stewardship planning is underway under the CH LTS “Pilot Projects”
- “Ownership” for phytoremediation of the Industrial Waste Pond (which had been in active use but is no longer receiving industrial discharge) must be resolved between NE and EM



Argonne National Laboratory - West FY02 Cost Performance (Phytoremediation)



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
BCWS	34	60	82	108	139	169	220	271	321	401	461
BCWP	31	68	103	127	167	192					
ACWP	25	66	102	107	142	189					
SV	-3	8	21	19	28	23					
CV	6	2	1	20	25	3					



Cost & Schedule Variance Analysis

~ 14% Favorable SV; Negligible CV

Explanation: None required

Impact: None

Corrective Measures: None



FY 2002 Uncosted Summary as of 3-31-02 (Dollars in Thousands)

ANL-W				FY2002 Uncosted Obligations			
Prior Year Carryover	FY2002 BA	Total Funds Available	FY2002 Costs (3-31-02)	Contractor Encumbrances	Approved Work Scope	Unencumbered	Total
6	538	544	192		273		352



A Look Ahead

(underway in FY 2002)

- Continue planting and harvesting activities in FY02
- Properly dispose of all plant matter in the INEEL RWMC or Industrial Waste Landfill
- Complete verification sampling and analysis in FY03 to document remediation goals have been met
- Develop the long term stewardship (LTS) plan and cost
 - ANL-W Pilot Study



LTS Items

(November 2001 "Start of Year Review")

- Groundwater monitoring (70K/yr) until 2018
- Institutional controls (fencing/posting) 100 yrs
- Release sites remaining at ANL-W
 - Industrial Waste Pond (2003)
 - Sewage Lagoons (2035)
 - Operating under land application permit
- Transfer LTS to NE at close of FY03



LTS Issues

Industrial Waste Pond

- IWP is unlined, 3 acre seepage pond; influent from several sources, including stormwater and Sodium Processing Facility (SPF).
- ROD assumed active use until FY 2002; phytoremediation at some point in future (when water evaporates) – FY 2003 or beyond.
- As an active facility, IWP was not included in ANL-W EM scope.
- Geographic Site Completion for ANL-W in May 2001, with regulator sign-off on 2 more seasons of phytoremediation.
- NE apparently ceased discharges from SPF in March 2001 and assumes that IWP will be EM scope. NE has not requested FY 2004 budget for IWP remediation.
- Next Steps: ANL-W is developing mitigating strategies, in addition to a work plan, cost estimate, and schedule for remediation. Resolution of “ownership” will be elevated to OM level.