PADUCAH GASEOUS DIFFUSION PLANT
SITE SPECIFIC ADVISORY BOARD

padssab@apex.net *www.oro.doe.gov/pgdpssab/*

2000 McCracken Boulevard • Paducah, Kentucky 42001 • (270) 744-9010

Chair

Mark Donham

Board Members

Kit Atkinson
Nola Courtney
Mark Donham
Judy Ingram
Vicki Jones
Merryman Kemp
Ronald Lamb
Linda Long
Leon Owens
Douglas Raper
Craig Rhodes
Rosa Scott
John Tillson
Jim Smart, Ph.D.
Bill Tanner
Rev. Gregory Waldrop

***Ex Officio* Members**

Carl Froede, Jr.
Environmental Protection Agency

Wayne L. Davis
Fish and Wildlife Resources
(Kentucky)

Tuss Taylor
Division of Waste Management
(Kentucky)

John A. Volpe, Ph.D.
Radiation Control Branch
(Kentucky)

Don Seaborg
Department of Energy

DOE Federal Coordinator
John D. Sheppard

Additional information about contacting board members directly can be obtained from the SSAB web site or by contacting Shirley Speer at (270) 744-9010.

Tentative agenda for the November 16, 2000 meeting:

5:30
Informal discussion
6:00
Call to order, introductions
Review of agenda
Approval of minutes from October meeting

Site Manager's Comments — **30 minutes**
- ES&H issues, investigation, nickel ingots, other
  - Board discussion
  - Public comments and questions

SSAB Recommendation Status — **5 minutes**

Project Status Updates — **30 minutes**
- EM&EF Project Updates
- ITRD
- Drum Mountain update/Scrap EE/CA
  - Board discussion
  - Public comments and questions

Presentations — **40 minutes**
- FOIA Officer Amy Rothrock
- Waste Disposition Environmental Assessment
  - Board discussion
  - Public comments and questions

Open Board Discussion — **30 minutes**

Administrative Issues — **15 minutes**
- Review of Workplan
- Review next agenda
- Financial update

SSAB Subcommittee Reports — **15 minutes**
- Community Relations
- Consultant
- Membership
- Finance
- Retreat

Adjourn

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Site Specific Advisory Board
Draft Meeting Minutes
November 16, 2000

The November 16, 2000, Site Specific Advisory Board (SSAB) meeting took place at the Information Age Park Resource Center in Paducah at 5:30 p.m.

The following board members were present: Nola Courtney, Mark Donham, Judy Ingram, Ronnie Lamb, Linda Long, Leon Owens, Doug Raper, Craig Rhodes, Jim Smart, John Tillson, and Gregory Waldrop. The facilitator present was Steve Kay. *Ex Officio* member present was: Don Seaborg, Department of Energy (DOE). The DOE federal coordinator present was John Sheppard. Also present were the following members of the public and employees, contractors, and subcontractors of the DOE: Jim Chesnut, Greg Cook, Lou Coots, Theresa Crisler, Gordon Dover, Bruce Ford, Bruce Gardner, Pat Halsey, Chuck Jenkins, Doris Lamb, Sam Leone, Diane McDaniel, Pete Osborne, Al Puckett, Peter Salpas, Jim Skridulis, Shirley Speer, M'balia Tagoe, Ray Threlkeld and Stacey Young.

Agenda

Mark Donham called the meeting to order and asked Steve Kay to facilitate the meeting. Kay asked if there were amendments to the agenda. Community Concerns was added to the SSAB Subcommittee Reports. **The amended agenda was approved.**

Minutes

It was noted that Dianna Feireisel's name had been corrected. Don Seaborg clarified that communication breakdown regarding the USGS meeting had been adequately addressed at the October meeting. DOE told Board members about the meeting as it had agreed to do. Sheppard noted that the three-year length of membership terms should be added under Membership. **The amended minutes were approved by consensus.**

Site Manager's Comments

Seaborg stated that Dianna Feireisel would be at more of the public meetings. He commented on the action items from the October meeting. He said the sale of the nickel was proceeding and that the money will go back into cleanup. He said that documentation to support the three-year terms was forthcoming. He added that the Core Team Meeting Minutes were in the handout packets.

He read a fact sheet regarding shipment of capacitors shipped September 11, 2000. (copy attached) They had apparently been shipped to the wrong disposal location.

The Permeable Treatment Zone work is back in the field. The injections of the barrier material have begun.

Oak Ridge had requested that someone come to the December SSAB meeting to report on the Integrated Baseline. Seaborg asked that they send materials and this would be delivered to SSAB members as soon as it is received.

Seaborg went over a list of tentative public meetings. An information sheet was provided in the handout packet.

He discussed the funding and the three options that had previously been presented to the Board. He said that DOE wanted to keep funding 'as is' so it would remain under present scenario.

Donham asked about the metal assay that had been requested two months earlier. Seaborg said he would take care of that issue.

Seaborg explained that a company named TOXCO was interested in the fluorine cells. They are working with PACRO on this project. Seaborg said the possibility of value of fluorine was interesting to him. Rhodes asked if Jimmie Hodges was also working as a consultant for TOXCO. Seaborg said Hodges worked with PACRO.

Puckett said a lady from Russia had visited him. She had said that Russia was going to send waste to the United States. He questioned whether this waste was going to be sent to Paducah site. Seaborg asked Puckett to get her name and he would call her. Dover said

that some people were here to see if our environmental groups would help them in Russia. Chesnut said the Russian visitors had returned to Russia.

Rhodes asked about a site located on maps sent out by DOE. This site, south of the plant, is contaminated with numerous contaminants and Rhodes was curious about what was the cause. Seaborg commented that the Environmental Information Center Website is up and running and that information could be found there. Long also questioned the maps. She stated that there was a spot here and there and that her question is: "What is between the spots?" Seaborg said the samples covered soils, surface water, and groundwater and that probably samples were not taken in between the spots. Long commented that one spot appeared to be in her neighbor's garden.

Tillson asked what technologies were being looked at for the fluorine. Seaborg said he was not sure what was being considered. The bidders would have to include that information in a Proposal.

Hanson asked what was being done to let neighbors like Warren Smith know about the maps. Seaborg said more testing was being done before contacting people. Hanson said she felt like people should be notified immediately that they may be contaminated. Seaborg said comment noted.

SSAB Recommendation Status

No comments.

Project Status Updates

Drum Mountain

Smart said he was out at Drum Mountain and there was still a lot of scrap metal. He questioned why there was still so much there. Seaborg explained that the metals in the other scrap yards and the metals in Drum Mountain were not the same size pieces and the shredder did not work for all of the scrap metal. Tillson asked if there would be other costs. Seaborg said there had been more B25 boxes found that the original bid had not covered. He said Envirocare's costs had gone up. Dover said there had been non-conforming scrap that were not covered in the bid. Donham asked Seaborg to define non-conforming. Seaborg said non-conforming were materials that were not uniformly shaped and of uniform substance like the old barrel pieces, and included things like 20 pieces of six-inch pipe, fire hydrants, rail shipping drums, and etc. Dover said the metals had to meet Envirocare's specifications.

Waldrop asked about the wildlife. Seaborg said that Fish and Wildlife would be doing the collecting of samples for the remainder of the scrap metals.

CERCLA Document/Seismic Issues

John Skridulis, Project Manager, said if the CERCLA Cell becomes an acceptable option there are several more steps before an issue would be settled regarding seismic concerns. He said in January a USGS expert would be at the SSAB meeting to cover seismic concerns.

Seaborg asked if USGS had reviewed the CERCLA document. Skridulis said there was no formal signature. He said they had utilized Kentucky Geologic Survey Reports. Seaborg asked for a summary of references. Skridulis said there was unquestionably a major seismic zone. Regulations requirements for earthquakes was discussed. Donham asked if measurements could be translated to Richter. Kay said that in January that should be addressed.

GWOUFS

Mark asked how many comments were received from the public on the GWOUFS. Cook said no one was present who could address that question.

Presentations

FOIA

Seaborg introduced Amy Rothrock, the FOIA officer from Oak Ridge.

Rothrock gave an overview of the types of records that are available to FOIA requests. She covered the Privacy Act and how records are protected. Individuals have the right to see their own records. She said the Freedom of Information Act was passed in the 1960's to allow citizen's information. She said the law allows up to twenty days to respond to a request. The response could be: need more time to fill request or too many records. She had 280 open request at present. She said that her biggest problem was receiving the records from the various offices which have the requested documents.

She commented on classification of documents and how long it takes to get classified documents to the public. She talked about several aspects of the FOIA process. She noted that her telephone number was on the handout and she would welcome calls from anyone wanting more information.

Seaborg introduced Theresa Crisler, of the Paducah DOE site office, as the FOIA point of contact. Crisler made comments on some of the request that she had heard from recently. She covered the tracking system that was now being used at the Site office.

Tillson complimented Rothrock on the speed of a recent request he had made. Rothrock said it was possible because the records had been readily available.

Donham asked if there was a working Open Net in Paducah. He said that he had tried calling and emailing the numbers and addresses on the open net website but that they did not work. Rothrock said the open net documents were in Paducah somewhere. Open Net was discussed and Rothrock said she would get Donham information regarding the Paducah access to these records. Seaborg added that he would like more information regarding this.
(Handouts attached)

Waste Disposition Environmental Assessment

Diane McDaniel gave a presentation.(Copy attached)

Donham asked about newly generated wastes. Leone said DMSAs are going to have to be characterized. Donham explained that if the DMSAs were not addressed in the Waste Management Programmatic Environmental Impact Statement that would be another issue. Puckett asked if bringing Russian Wastes to Paducah was being considered. McDaniel said she could not address that. Donham asked if the communities which have facilities to receive the Paducah waste would be notified. McDaniel said yes.

Seaborg said the Board would be on the distribution list for the document.

Open Board Discussion

No comments.

Workplan

The Workplan included in the handout was not updated to reflect the changes that had been added at the last SSAB meeting. Vortec will be discussed in the Site Manager's comments in January. CORE team, Prioritization, and Institutional Controls were all added to the Workplan. It was decided to have a fact sheet on PACRO provided and include in Site Manager's comments. Donham suggested discussion of the Scrap Metal EE/CA be included in the Project Updates.

Financial Update

No comments.

Community Concerns

Recommendations were brought to the Board by the subcommittee. (attached) After much discussion regarding the recommendations, it was decided that the subcommittee would meet again and rework the recommendations for clarity and also to be more specific in some areas of concern. It was also decided that the recommendation on private property

testing be combined with the community concerns issues, and that the same subcommittee would address them. Rhodes (subcommittee chair) asked if Leon Owens would also serve on the subcommittee. Owens agreed to serve. Rhodes said he would call the members regarding meeting date. Seaborg commented that the term oversight, used at the bottom of the recommendation page, was not in the SSAB's charter.

Membership

Courtney said the subcommittee would meet and bring something to the January meeting. Cook said that the search was still going on to reconstruct when the By Laws stated the length of terms. Report will be brought to next meeting.

Board Retreat

A note was in packet regarding the date being changed to March 9-10, 2000. The Pennyrile State Park Resort has been reserved. The resort is to send brochures which will be sent out to members as soon as they are received. The draft of the agenda that was planned in August was included in handout for consideration.

Meeting adjourned.

Paducah Site-Specific Advisory Board
FY 2001 Costs

Item	Budget	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	YTD	Remaining
General Support to SSAB															
Office Rental	5,000.00	768.00												768.00	4,232.00
Member Travel	31,902.00													-	31,902.00
Admin. Support	72,331.00	4,789.00												4,789.00	67,542.00
Information & Communication	45,090.00	480.00												480.00	44,610.00
Support to Subcommittees															
Community Outreach															
Travelling Exhibit	-													0	-
Exhibit Revisions	900.00													0	900.00
Media Announcements	3,630.00	313.00												313.00	3,317.00
Newsletter	6,658.00													0	6,658.00
Fact Sheets	1,440.00													-	1,440.00
Mailing List Maintenance	1,824.00	152.00												152.00	1,672.00
Web Page Maintenance	1,500.00													0	1,500.00
Policy & Personnel															
Technical Advisor	25,000.00													0	25,000.00
Total	195,275.00	6,502.00	-	-	-	-	-	-	-	-	-	-	-	6,502.00	188,773.00

Notes:

U.S. Department of Energy

Upcoming Public Meetings

November 30 – 6 p.m. – Heath High School Cafeteria
North-South Diversion Ditch Remedial Actions Alternatives Analysis
and Proposed Remedial Action Plan
Plus, a brief presentation from the CORE Team
The community will have an opportunity for early input on the planning of this remediation project which will focus on clean up efforts both inside and outside the plant fence.

December 5 – 6 p.m. – Information Age Park
Pre-application for **environmental permit** under the
Resource Conservation Recovery Act
DOE is requesting a minor modification to its existing permit for the storage, treatment and handling of wastes as defined by RCRA.

December 12 – 6 p.m. – Information Age Park
Environmental Assessment on the **C-746-U Landfill**
This draft document will review proposed changes to the existing EA.

Mid-January – 6 p.m. – Location to be determined
Discussion of the **Scrap Metal** EE/CA
Public can review/address plans to remove scrap metal from PGDP.

January 18 – 5:30 p.m. – Information Age Park
Paducah Citizens Advisory Board Meeting

Action Items from October SSAB Meeting

1. Locate site for retreat, with first weekend of March as the preferred dates.
2. Provide board CERCLA disposal options seismic document when available; brief board in November about what's in document.
3. Address nickel ingots status during site manager's comments in November.
4. Provide board with presentation on Waste Disposition EA.
5. Schedule Scrap Metal EE/CA presentation/discussion for January.
6. Prepare briefing on Institutional Controls and PTZ update for January.
7. Brief board in November on North-South Diversion Ditch project, then prepare status update/presentation for January.
8. Provide board with CERCLA cell siting options as soon as possible; April date suggested during October meeting.
9. Schedule discussion session on setting site priorities following Core Team presentation in November. (Delayed to January)
10. Update board letterhead with new members. (Done)
11. Collect update biographical information from all board members and Conflict of Interest statements from those who are seeking reappointment. (Pending)

SSAB UPDATES
NOVEMBER 2000

BURIAL GROUNDS OPERABLE UNIT

PROJECT: Waste Area Groups 3, 8, 28 and Data Gaps

SUMMARY: Remedial Investigations have been done on WAGs 3 and 28. A Site Evaluation was done on WAG 8. In addition, this project includes a 'Data Gaps' investigation to collect groundwater and subsurface soil samples to supplement existing data.

WAG 3 includes three burial grounds: C-747 (SWMU 4), C-746-F (SWMU 5) and C-747-B (SWMU 6). WAG 8 includes SWMUs 82-85, which are the plant electrical switchyards (C-531, C-533, C-535, and C-537), as well as the decommissioned C-340 Reduction and Metals Facility. WAG 28 includes SWMUs 99, 183, 193, 194, which are locations related to the 1950s construction of the plant.

Status: Waste Area Groups 3, 8, 28 and Data Gaps

- Remedial Investigation field work for WAG 3, WAG 28, WAG 8 Site Evaluation and Data Gaps has been completed.
- The D1 Remedial Investigation Report for WAG 3 was released for regulatory review in late September.
- The D1 Site Evaluation Report was submitted for regulatory review on June 29, 2000.
- KDEP asked for a 45-day extension to comment on the D1 version of the WAG 8 SE. The original due date was July 22.
- The D2 version of the WAG 28 RI was issued to regulators on August 25.

PROJECT: Waste Area Group 22, SWMU 2

SUMMARY: SWMU 2 is the C-749 Uranium Burial Ground in the west-central portion of the plant.

Status: Waste Area Group 22, SWMU 2

- The Proposed Plan for this project was placed on hold. Proposed actions will be developed and included in the overall Burial Grounds OU proposed plan.

PROJECT: Waste Area Group 22, SWMUs 7&30

SUMMARY: This project includes the investigation of the C-747-A Uranium Burial Ground and C-747-A Burn Area in the northwest corner of the plant. The D2 Feasibility Study for SWMUs 7 & 30 was issued to regulatory agencies for review in November 1998 and evaluated four remedial alternatives: 1) No action; 2) Limited action (installation of additional monitoring wells and long-term groundwater monitoring); 3) Soil cover and groundwater monitoring with additional monitoring wells; and 4) Surface soil removal and groundwater monitoring with additional monitoring wells.

Status: Waste Area Group 22, SWMUs 7 & 30

- The Environmental Protection Agency Region 4 has given conditional approval of the D2 Feasibility Study.
- The Kentucky Department for Environmental Protection approved the D2 Feasibility Study on May 3, 1999.
- Information from this Feasibility Study will be incorporated into the overall Burial Grounds Operable Unit project.

PROJECT: Disposal of PGDP CERCLA Waste

SUMMARY: Develop a Feasibility Study to look at CERCLA waste at the PGDP and develop a site-wide disposal strategy. The FS will consider a potential on-site CERCLA waste disposal facility, as well as off-site disposal and possible use of the existing on-site landfill.

Status: Disposal of PGDP CERCLA Waste

- DOE and Bechtel Jacobs project staff have been working with the regulators on several scoping and start-up issues, as well as approaches to various elements of the waste disposal strategy evaluation.
- **A Technical Memo responding to regulator and SSAB concerns about seismic issues was prepared and distributed to regulators on Nov. 9.**
- **A meeting with regulators is scheduled for Nov. 28-29 in Oak Ridge, Tenn.**

November 2000

GROUNDWATER OPERABLE UNIT

PROJECT: Feasibility Study

SUMMARY: A Feasibility Study is to be written in accordance with CERCLA and the Federal Facility Agreement to address treatment options for the Groundwater Operable Unit.

Status: Feasibility Study (FS):

- The D1 Groundwater Operable Unit Feasibility Study was released to regulatory agencies on July 14, 2000.
- **The FS was presented to the community at a July 18 public meeting. Comments have been received from USEPA, U.S. Fish & Wildlife and the U.S. Department of the Interior. The comment period ends Nov. 13.**

PROJECT: Northwest/Northeast Plume Groundwater Systems

SUMMARY: The Northwest and Northeast plume treatment facilities were constructed as interim measures to control "hot spots" in the groundwater contamination beneath and around the plant. The Northwest Plume Groundwater Treatment Facility opened in September 1995. The facility operates under a 1993 Record of Decision to contain a high contamination zone of TCE and Tc-99. The Northeast Plume system opened in February 1997 under a 1994 Record of Decision to contain a high contamination zone of TCE.

Status: Northwest/Northeast Plume Groundwater Systems

- **9.1 million gallons of groundwater were treated at the Northwest System during October, with the facility operational 97.8 percent of the time. This brings the total treated to 523 million gallons.**
- **4.4 million gallons of groundwater were treated at the Northeast System during October, with the facility operational 97.3 percent of the time. This brings the total treated to 282.9 million gallons.**

PROJECT: Waste Area Group 27

SUMMARY: WAG 27 consists of potential or known sources of TCE on the west side of PGDP. WAG 27 includes the C-747-C Oil Land Farm, SWMU 91 (the cylinder drop test area), SWMU 196 (C-746-A warehouse septic systems) and the C-720 maintenance facility.

Status: Waste Area Group 27

- The D2 Remedial Investigation Report was approved in September 1999 and data have been incorporated into the Groundwater Operable Unit. This information is being incorporated in the GWOU Feasibility Study.

PROJECT: Lasagna™ Soil Remediation at SWMU

SUMMARY: Lasagna™ was selected to remove TCE from SWMU 91 under a 1998 Record of Decision. SWMU 91 is an area of approximately one acre on the west side of the plant once used to drop test empty DUF6 cylinders. The process uses buried electrodes to move contaminated water to treatment zones, where contaminants are degraded.

Status: Lasagna™ Soil Remediation at SWMU

- Operations began in December 1999 and are continuing. Remediation is expected to be completed by December 2001.
- **Sampling to determine effectiveness to-date was conducted Oct. 9-11. Preliminary and draft analysis of the samples indicate the project has already achieved its two-year goal of 5.6 ppm.**

PROJECT: Permeable Treatment Zone Demonstration (Treatability Study)

SUMMARY: This is a Treatability Study to determine if a Permeable Treatment Zone can be installed in the Paducah Regional Gravel Aquifer and effectively contain and remove contamination from groundwater. The study consists of a bench-scale test to evaluate components for the treatment zone and the construction of a 100-foot long treatment zone in the summer of 2000.

Status: GWOU/WAG 6 (Permeable Treatment Zone Demonstration)

- Installation of four groundwater monitoring wells, four multi-port sampling systems and 11 construction monitoring wells has been completed.
- Two rounds of baseline groundwater sampling have been completed.
- DOE ordered a stand-down on Sept. 28, 2000 pending a court hearing on the lawsuit filed seeking to stop the test.
- **Work resumed the first week of November following a judge's order in DOE's favor.**
- **All drilling and delivery system equipment remobilized to the site, inspected, and tested.**
- Iron filing installation begins the week of November 13.

PROJECT: 6-Phase Heating Treatability Study

SUMMARY: This is a Treatability Study for 6-Phase Heating technology demonstration at the C-400 area. The technology utilizes an array of electrodes to raise the temperature of the soil to the point where TCE is vaporized. The vapors are then collected and treated on-site.

Status: 6-Phase Heating Treatability Study

- Notice to proceed with developing the Treatability Study Work Plan was issued on June 8, 2000.
- **The D1 Work Plan was issued to regulators on September 1. Comments have been received.**
- **The 30 percent design package has been issued.**

PROJECT: C-Sparge Treatability Study

SUMMARY: This is a Treatability Study for the C-Sparge technology. Ozone is injected into the groundwater, where it reacts with and destroys TCE.

Status: **C-Sparge Treatability Study**

- Funding options are being evaluated.
- DOE EM-50 has tasked the Washington Group to do the planning document.

PROJECT: Piezometer Abandonment C-400 Area

SUMMARY: This is the abandonment of temporary piezometers installed at the C-400 area as part of the WAG remedial investigation.

Status: **Piezometer Abandonment C-400 Area**

- **Work is complete.**

PROJECT: C-746-S&T and U Landfills, Well Corrosion Study, Abandon 10 Wells/Install 12 Wells:

SUMMARY: This is abandonment and replacement of compliance groundwater monitoring wells at the C746 S&T and U landfills. Prior to abandonment and replacement tasks, three wells will be abandoned and sampled/tested as part of a well corrosion study.

- **Abandonment and corrosion study sampling for the three initial wells was finished Oct. 27.**
- **Installation of replacement wells and completion of the abandonment of existing wells will follow completion of the corrosion study next spring.**

November 2000

SURFACE WATER OPERABLE UNIT

PROJECT: Surface Water Operable Unit Remedial Investigation

SUMMARY: The Surface Water Operable Unit includes the Big and Little Bayou Creeks, all Kentucky Pollutant Discharge Elimination System (KPDES) outfall ditches, and the primary source areas potentially contributing to contamination in these locations, including: past releases from C-333A and C-337 vaporizers and the switchyards, and sediment from plant storm sewer systems. Primary contaminants of concern are PCBs and radionuclides with metals as a secondary concern.

Status: Surface Water Operable Unit Remedial Investigation

- **A Core Team consisting of representatives from DOE, EPA and KDWM was chartered to resolve programmatic issues resolving cleanup. The Core Team is in the process of evaluating Surface Water data to determine if removal/remediation actions can be accelerated. Binning activities are scheduled to be completed in December.**

PROJECT: Remedial Action for the North-South Diversion Ditch

SUMMARY: The North-South Diversion Ditch carries rainwater runoff from the C-400 area north to Little Bayou Creek. Contaminants are present in the ditch from historical release of process wastewater from the C-400 and C-600 facilities. Contaminants include various radionuclides, PCBs and metals.

Status: Remedial Action for the North-South Diversion Ditch

- **The D0 version of the Remedial Action Alternatives Analysis and Proposed Plan for the North-South Ditch Remedial Action was given to DOE on Nov. 13. The D1 version will be sent to regulators on Dec. 4.**
- **A public meeting is scheduled for Nov. 30 to discuss the draft RAA and the Proposed Plan.**

November 2000

SOILS OPERABLE UNIT

PROJECT: Soils Operable Unit Scoping Document

Status: Soils Operable Unit

- DOE has requested an extension to complete the Scoping Document because the Core Team process has taken longer than originally anticipated. The D1 Scoping Document has been deferred until late 2001.
- The first meeting of the Soils team has been deferred until scoping activities associated with the North-South Diversion Ditch, Surface Water Operable Unit, and the Groundwater Operable Unit have been resolved.

PROJECT: Waste Area Groups 9 & 11

SUMMARY: WAGs 9 and 11 include seven in-ground tanks, vaults and pits. A Site Evaluation was conducted in Fiscal Year 1998 to determine whether any releases of contaminants had occurred.

Status: WAGs 9 & 11

- The D2 Site Evaluation Report for WAGs 9 & 11, was issued June 24, 1999. KDEP allowed one SWMU to be a "No Further Action," with work on the other five SWMUs to be deferred to the Soils Operable Unit Remedial Investigation Work Plan.

PROJECT: Waste Area Group 23/PCB spill sites

SUMMARY: WAG 23 consists of eight SWMUs inside the PGDP security fence, and one outside the fence, located near the C-611 Water Treatment Facility fence on DOE property. Past use of PCBs and subsequent accidental spills and leaks of oils that contain PCBs caused the surface soil contamination at these SWMUs. Excavation of approximately 175 cubic yards of contaminated soil at several PCB sites was completed in late 1997 and early 1998.

Status: Waste Area Group 23/PCB spill sites

- The D2 Proposed Remedial Action Plan (PRAP) was issued to regulators May 26, 1999. DOE's no action proposal was based on promulgated EPA action levels for PCB-contaminated soils.
- The Kentucky Department for Environmental Protection rejected the no action preferred option. DOE invoked the informal dispute resolution process in July 1999. A formal dispute resolution process began in September 1999.
- DOE, EPA and the Kentucky Department of Environmental Protection met in November and made the decision to defer the PRAP and ROD to the Soils Operable Unit decision documents.

November 2000

WASTE OPERATIONS

PROJECT: Waste Treatment, Storage and Disposal

SUMMARY: Waste Treatment and Disposal involves materials classified as low-level mixed waste and mixed waste stored at the Paducah Gaseous Diffusion Plant. These wastes include both hazardous materials and those containing low levels of radioactivity. There are more than 50,000 55-gallon drum equivalent of waste stored at the PGDP. In addition, there are an estimated more than 60,000 tons of scrap metal stored at the plant.

Status: Waste Treatment, Storage and Disposal

- **The initial Waste Disposition Environmental Assessment draft outline and schedule was completed on Oct. 10, and a public meeting to discuss the document with the public was held Oct. 26.**
- **A public meeting will be held in early December to discuss an Environmental Assessment now being developed for the C-746-U Landfill. The EA is being drafted to address proposed changes in what material the landfill may accept.**
- **18 intermodals containing pieces of Drum Mountain were sent on three railcars to Envirocare of Utah on Oct. 31, bringing the total shipped to 48. Another shipment is scheduled for the week of Nov. 13.**
- **The D2 Scrap Metal Removal Project remains in development. It is expected to be issued on Nov. 30.**
- **158 PCB capacitors were shipped for disposal in October, with another shipment set for Nov. 27. The October shipment leaves about 250 capacitors to be disposed of by Feb. 16, 2001.**

November 2000

-END-

November 16, 2000

To all Board Members:

We have tentatively booked March 9-10, 2001, at the Pennyrile Forrest State Park Resort for your planning retreat. The first weekend, as decided by the Board last meeting, was not available.

This is for your consideration, let me know if this will work for you.

The Resort is supposed to send us brochures. As soon as I receive them, I will send them out to you.

Attached is the proposed agenda for the retreat that was planned in August.

Thank you,
Shirley Speer

DRAFT

Paducah Gaseous Diffusion Plant (PGDP)
Site Specific Advisory board (SSAB)
2000 Workplan

ISSUE	KEY DOCUMENTS	Aug-00	Sep-00	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	4.1.01	May-01	Jun-01	Jul-01
Ongoing Discussion Items													
ES&H Issues		X	X	X	X		X	X	X	X	X	X	X
EM&EF		X	X	X	X		X	X	X	X	X	X	X
Scrap Metal/Drum Mountain		X	X	X			X	X					
ITRD		X			X			X				X	
Administrative issues and committee reports		X	X	X	X		X	X	X	X	X	X	X
Core Team Update					X		X						
Documents/plans for discussion and recommendations													
Ground Water Operable Unit		X	X										
Surface Water Operable Unit													
Burial Ground Operable Unit	VEGS												
Soils Operable Unit													
Vortec								X					
On-site Disposal Cell		X								X			
PACRO			X		X		X						
FOIA		X			X								
Waste Disposition EA					X		X						

Fact Sheet
United States Department of Energy
Assistant Secretary for Environment, Safety & Health
Office of Worker Advocacy

Energy Employees Occupational Illness Compensation Program Act of 2000

Note: This Fact Sheet summarizes recently passed legislation and does not indicate the availability of benefits. Actual eligibility criteria for this program remain to be defined and will be established by program administrators over the next year. Until that time, claims for benefits cannot be accepted. For a complete copy of the legislation, see http://www.eh.doe.gov/benefits.

Overview

The Energy Employees Occupational Illness Compensation Program Act of 2000 establishes a program to provide compensation to employees of the Department of Energy (DOE), its contractors and subcontractors, companies that provided beryllium to DOE, and atomic weapons employers[1]. The statute provides that covered employees who suffer from a cancer caused by radiation, beryllium disease, or chronic silicosis are eligible for a lump sum payment of $150,000 for disability and payment of future medical expenses associated with that disease (unless other legislation providing an alternative benefit program is enacted prior to July 31, 2001). If the worker is deceased, the lump sum payment will be provided to survivors. The Act also provides that DOE assist workers with other occupational illnesses with filing State workers' compensation claims once agreements to do so have been entered into between DOE and States.

Beryllium-related Disease

An employee of DOE, of a DOE contractor, of a DOE subcontractor, or of a private company that provided beryllium for use by DOE, or such an employee's survivor, is eligible for benefits if the employee:

- was exposed to beryllium at a DOE or beryllium-provider facility;
- contracted chronic beryllium disease; and
- is or was disabled or died as a result of this disease.

In addition, the program will provide employees who are sensitized to beryllium with regular medical examinations to check for the presence of chronic beryllium disease.

Radiation-related Cancers

An employee of DOE, of a DOE contractor, or of an atomic weapons employer, or such an employee's survivor, is eligible for benefits if:

- the employee developed a cancer after beginning employment at a DOE or an atomic weapons facility;
- the employee's cancer was at least "as likely as not" related to this employment, in accordance with guidelines to be developed that are based on a number of factors, including

continued

[1] An *atomic weapons employer* is defined as a private company that processed material that emitted radiation and was used in the production of atomic weapons.

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the employee's radiation dose, calculations using radioepidemiological tables, the type of cancer, past health-related activities, and other relevant factors; and

- the employee is or was disabled by or died from the cancer.

Silica-related Disease

Employees of DOE and its contractors, or their survivors, who were employed for 250 days or more mining tunnels for use in underground nuclear weapons testing in Nevada or Alaska, are eligible for benefits if the employee developed chronic silicosis and is or was disabled or died as a result (unless, within 180 days after enactment of the bill, the President makes a determination that there is an insufficient basis to include such employees).

Special Exposure Cohort

The legislation establishes a *Special Exposure Cohort* who would receive benefits. Members of this cohort, or their survivors, are eligible for benefits if the employee developed a specified cancer[2] after being employed and exposed to radiation at certain specified DOE facilities and meets other eligibility criteria specified in the Act. These include employees who worked at least 250 days for DOE or its contractors at one of the DOE Gaseous Diffusion Plants (located in Oak Ridge, Tennessee; Portsmouth, Ohio; and Paducah, Kentucky) and employees who were exposed to radiation related to underground nuclear tests at Amchitka, Alaska. Employees at these sites who have cancer, but do not meet all the Special Cohort criteria, can apply under the general radiation provisions described above.

Additional classes of workers can be added to the Special Exposure Cohort based on a recommendation of an independent Advisory Board on Radiation and Worker Health appointed by the President.

Uranium Miners

Certain uranium miners in Colorado, New Mexico, Arizona, Wyoming, and Utah, who have received lump sum payments under the Radiation Exposure Compensation Act (RECA), or their survivors, are entitled to receive an additional $50,000 lump sum payment and payment of future medical expenses for the cancer for which RECA benefits were awarded.

Other Occupational Disease

DOE contractor employees with occupational illnesses that are not covered under the Federal program can apply to DOE's Office of Worker Advocacy for help in obtaining State workers' compensation benefits. Under this effort, DOE would forward a worker's application to an independent panel of physicians appointed by the Secretary of Health and Human Services. The panel would determine whether the employee's illness or death was due to exposure to a toxic substance at a DOE facility. Based on a determination of work-relatedness, the DOE Office of Worker Advocacy could assist the employee with a State claim for benefits, and DOE could, to the extent provided by law, direct a contractor not to contest claims before the State.

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DOE Office of Worker Advocacy
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[2] The law specifies that covered cancers include bone cancer plus the list of cancers in the previously enacted Radiation Exposure Compensation Act (42 U.S.C. 2210 note): leukemia (other than chronic lymphocytic); lung cancer (with certain exceptions); multiple myeloma; non-Hodgkins lymphoma; and primary cancer of the thyroid, male breast, female breast, esophagus, stomach, pharynx, small intestine, pancreas, bile ducts, gall bladder, salivary gland, urinary bladder, brain, colon, ovary, and liver (with certain exceptions).