

EDUCATION, SCIENCE AND TRAINING

**SENATE LEGISLATION COMMITTEE - QUESTIONS ON NOTICE
2005-2006 SUPPLEMENTARY ESTIMATES HEARING**

Outcome: ANSTO

Output Group: ANSTO

DEST Question No. E515_06

Senators Crossin and Forshaw asked on 2 November 2005, EWRE Hansard page 22.

Question:

In the context of a discussion on reactor shutdowns:

Can I have details of all shutdowns in the last five years?

Answer:

Reactor shutdowns

ANSTO has provided the following response:

Please see the attached spreadsheet.

Routine Shutdown at HIFAR

Program No.	Shutdown Start Date	Duration in days	Remarks
528	16-Oct-00	4	Routine Shutdown for Maintenance and refuelling
529	20-Nov-00	4	Routine Shutdown for Maintenance and refuelling
530	18-Dec-00	4	Routine Shutdown for Maintenance and refuelling
531	15-Jan-01	4	Routine Shutdown for Maintenance and refuelling
532	19-Feb-01	4	Routine Shutdown for Maintenance and refuelling
	23-Mar-01	0.3hr	Equipment Failure
	25-Mar-01	5	Equipment Failure
533	26-Mar-01	4	Routine Shutdown for Maintenance and refuelling
	17-Apr-01	0.3hr	Equipment Failure
534	30-Apr-01	4	Routine Shutdown for Maintenance and refuelling
	7-May-01	0.6hr	Equipment Failure
	19-May-01	1.4	Equipment Failure
	24-May-01	1hr	Shutdown due to an off-normal plant parameter
535	4-Jun-01	4	Routine Shutdown for Maintenance and refuelling
536	9-Jul-01	4	Routine Shutdown for Maintenance and refuelling
	20-Jul-01	0.4hr	Equipment Maintenance
	12-Aug-01	5	Equipment Failure
537	13-Aug-01	4	Routine Shutdown for Maintenance and refuelling
538	17-Sep-01	4	Routine Shutdown for Maintenance and refuelling
539	22-Oct-01	4	Routine Shutdown for Maintenance and refuelling
540	19-Nov-01	4	Routine Shutdown for Maintenance and refuelling
	16-Dec-01	15hrs	Power blip due to electrical storm (shutdown cont'd through to next scheduled routine shutdown)
541	17-Dec-01	4	Routine Shutdown for Maintenance and refuelling
	21-Dec-01	1hr	Power blip due to electrical storm
	23-Dec-01	1.5hr	Electrical fault in Energy Australia's network
	17-Jan-02	1.5	Power blip due to fault on ANSTO network
542	21-Jan-02	4	Routine Shutdown for Maintenance and refuelling
543	25-Feb-02	4	Routine Shutdown for Maintenance and refuelling
	7-Mar-02	1	Electrical fault in Energy Australia's network
544	2-Apr-02	4	Routine Shutdown for Maintenance and refuelling
545	5-May-02	4	Problem with backup diesel circuitry
	11-May-02	0.5hr	Power blip due to fault on ANSTO network

	21-May-02	0.5hr	Electrical fault in Energy Australia's network
	21-May-02	0.5hr	Equipment Failure
	26-May-02	1hr	Electrical fault in Energy Australia's network
	27-May-02	1hr	Equipment Failure
546	11-Jun-02	4	Routine Shutdown for Maintenance and refuelling
547	15-Jul-02	4	Routine Shutdown for Maintenance and refuelling
	25-Jul-02	1	Equipment Failure
	14-Aug-02	0.5hr	Shutdown to effect equipment repairs
548	19-Aug-02	4	Routine Shutdown for Maintenance and refuelling
549	23-Sep-02	4	Routine Shutdown for Maintenance and refuelling
550	28-Oct-02	4	Routine Shutdown for Maintenance and refuelling
	1-Nov-02	1	Equipment Failure
551	2-Dec-02	4	Routine shutdown for Maintenance and refuelling
552	6-Jan-03	4	Routine shutdown for Maintenance and refuelling
	28-Jan-03	1.5	Electrical fault in Energy Australia's network
553	3-Feb-03	4	Routine shutdown for Maintenance and refuelling
	10-Feb-03	3hr	Power blip due to electrical storm
	11-Feb-03	1hr	Shutdown to effect equipment repairs
	13-Feb-03	1hr	Shutdown to effect equipment repairs
554	10-Mar-03	4	Routine shutdown for Maintenance and refuelling
	26-Mar-03	1	Operator error
555	14-Apr-03	4	Routine shutdown for Maintenance and refuelling
	13-May-03	1.5	Power blip due to electrical storm
556	19-May-03	4	Routine shutdown for Maintenance and refuelling
557	23-Jun-03	4	Routine shutdown for Maintenance and refuelling
558	28-Jul-03	4	Routine shutdown for Maintenance and refuelling
559	1-Sep-03	4	Routine shutdown for Maintenance and refuelling
560	7-Oct-03	4	Routine shutdown for Maintenance and refuelling
	25-Oct-03	1	Power blip due to electrical storm
561	10-Nov-03	4	Routine shutdown for Maintenance and refuelling
	26-Nov-03	1.4	Problem with backup diesel circuitry
	6-Dec-03	1.3	Electrical fault in Energy Australia's network
	8-Dec-03	1	Instrumentation problem
562	15-Dec-03	4	Routine shutdown for Maintenance and refuelling
563	19-Jan-04	4	Routine shutdown for Maintenance and refuelling
	9-Feb-04	1	Plant failure - Spare unit place in service

564	23-Feb-04	43	Major Shutdown (following scheduled routine shutdown no. 565 is included in this duration)
565	29-Mar-04	4	Routine shutdown for Maintenance and refuelling
566	3-May-04	4	Routine shutdown for Maintenance and refuelling
	16-May-04	1hr	Electrical fault in Energy Australia's network
567	7-Jun-04	4	Routine shutdown for Maintenance and refuelling
568	12-Jul-04	4	Routine shutdown for Maintenance and refuelling
	18-Jul-04	1hr	Electrical fault in Energy Australia's network
	29-Jul-04	1hr	Power blip due to fault on ANSTO network
569	16-Aug-04	4	Routine shutdown for Maintenance and refuelling
	5-Sep-04	3	Power blip due to electrical storm
570	20-Sep-04	4	Routine shutdown for Maintenance and refuelling
571	25-Oct-04	4	Routine shutdown for Maintenance and refuelling
572	29-Nov-04	4	Routine shutdown for Maintenance and refuelling
	12-Dec-04	1hr	Power blip due to electrical storm
	31-Dec-04	1.5	Training Exercise
573	4-Jan-05	4	Routine shutdown for Maintenance and refuelling
	20-Jan-05	1hr	Power blip due to electrical storm
	23-Jan-05	1hr	Power blip due to fault on ANSTO network
	2-Feb-05	12	Electrical power blip with plant damage - Repaired
574	7-Feb-05	4	Routine shutdown for Maintenance and refuelling
	4-Mar-05	2	Instrument equipment failure - repaired
575	14-Mar-05	4	Routine shutdown for Maintenance and refuelling
	18-Mar-05	1	Failure of Gas Chromatographs - repaired
	24-Mar-05	3	Fuel Temperature indication problem - repaired
	13-Apr-05	1.6	Power blip due to fault on ANSTO network
576	18-Apr-05	4	Routine shutdown for Maintenance and refuelling
577	23-May-05	4	Routine shutdown for Maintenance and refuelling
578	27-Jun-05	4	Routine shutdown for Maintenance and refuelling
579	1-Aug-05	4	Routine shutdown for Maintenance and refuelling
580	5-Sep-05	4	Routine shutdown for Maintenance and refuelling
	19-Sep-05	1hr	Effect repairs to diesel
581	10-Oct-05	4	Routine shutdown for Maintenance and refuelling
	19-Oct-05	1hr	Diesel changeover
	22-Oct-05	1hr	Power blip due to fault on ANSTO network
582	14-Nov-05	4	Routine shutdown for Maintenance and refuelling