APPENDIX B

DATA MANAGEMENT FORMS

3-1 Document Identification

Text(255)	Text(4)	Text(50)	Text(4)	Text(10)	Text(20)	Text(50)	Text(50)	Text(50)	Date	Text(255)
	Table B-25	Portal drop-down menu								
Document Title of Description. The title should be the same as it appears in the document cover page or regulatory agency transmittal letters.		Document Type (work plan, report, permit, drawing, photograph, memorandum, letter). Select from the drop-down menu available on the portal	Site Map Grid Cell Reference * (provided for each project). Example: G2, F6 etc.	If applicable: Environmental Impact Area (or) Subarea. Example: EIA J, EIA M etc.	If applicable: Area (Site, Building, Area, etc.). Example: Building 5	Environmental Consultant Company Name	Name of Author (Last, First MI)	Name of Environmental Consultant Company Project Manager	Date document was published	List at least five keywords that adequately capture the information presented in the document
Mandatory	Mandatory	Mandatory	Mandatory	-	Conditional	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Title	**Project ID**	**Type**	**GridRef**	**EIA**	**Area**	**ECC**	**Author**	**PM**	**Date**	**Keywords**

BOE-C6-0233903

3-3 Objects

Text(4)	Text(4)	Text(12)	Text(50)	Text(5)	Date/Time	Date/Time	Text(30)	Text(30)	Text(30)	Text(30)	Text(20)	Decimal(5,2)	Text(4) Feet	Decimal(5,2)	Text(4) Feet	Decimal(28,15)	Decimal(28,15)	Text(1) F or S	Decimal(28,15)	Decimal(28,15)	Decimal(5,2)	Decimal(5,2)	Text(4) Feet	Text(30)	Date	Text(50)	Text(50)
Table B-25	Table B-24	Table B-26	Table B-34							Table B-6																	
E1, CB, etc.		AOCS, EAM	Type of object surveyed (e.g. platform, rig, monitoring well, report point, jack, stream, etc.)	Unique identifier of object. See Table B-5	3/6/1/2001 13:45 - (use 24 hrs clock)	3/6/1/2001 11:45 - (use 24 hrs clock)						Required / encountered	Indicate units used. Note that feet and pounds are the same	Measured value in units of Feet	Note: Use "Feet". Do not mix units in a range	Zone 5 NAD 83 coordinate system	Zone 5 NAD 83 coordinate system	Instrument or Surveyed	Survey X coordinate in surveying system coordinate	Survey Y coordinate in surveying system coordinate	Ground surveying specification	Ground or groundwater elevation (measured/surveyed elevation)	Note: Use "Feet". Do not mix units in a range	Zone 5 NAD 83 coordinate system	Note: If not surveyed, enter date of estimation. The date the coordinates were estimated or the date of the actual survey.	Comments related to object surveyed (e.g. platform name, equipment name, rig name, etc.)	Survey accuracy, equipment used and benchmark name
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Conditional	Conditional	Mandatory	Mandatory	Conditional	Conditional	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Optional	Optional	Mandatory	Conditional	Mandatory	Mandatory	Mandatory	Optional	Mandatory
Project ID	Consultant ID	Area ID	Object Type	Object Name	Date, Time Started	Date, Time Completed	Drilling Contractor	Drilling Name	Drill Rig	Drilling Method	Logged By	Water Depth	Water Depth Units	Total Depth/Height	Total Drill Units	X-Coord	Y-Coord	Survey Status	Local X	Local Y	Ground Elevation	Object Elevation	Elevation Units	Elevation Datum	Survey Date	Location Description	Comments

BOE-C6-0233904

3-5 Sample Log

Text(4)	Text(4)	Text(6)	Text(21)	Text(2)	Decimal(5,2)	Decimal(5,2)	Text(4)	Text(50)	Date/Time	Text(50)	Text(2)
Table B-25	Table B-24			Table B-10			Feet	Table B-11			Table B-19
C1, C6, etc.		Unique identifier of object. From site object table.	See Table 3-6 and Figure 3-4	SO, WG, AV, WQ etc.	If groundwater or SVE well vapor sample, use depth to top of screen interval. <= Base depth. Feet.	If groundwater sample or SVE well vapor , use depth to bottom of screen interval. >= Top depth. Feet.	Feet.	Required if GW sampling.	Example: 08/01/2001 13:50 (use 24 hour clock)	For each event or sample collected from Object. Name of site, contractor, investigation.	PS, EB, TB, etc.
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Conditional	Mandatory	Mandatory	Mandatory
Project ID	**Consultant ID**	**Object Name**	**Sample Name**	**Matrix Type**	**Top Depth**	**Base Depth**	**Depth Units**	Monitoring Frequency	**Collection Date_Time**	**Sampling Event**	**Sample Type**

BOE-C6-0233905

3-5 Sample Log

Text(21)	Text(50)	Text(50)	Integer	Text(6)	Text(3)	Text(20)	Date	Text(5)	Text(50)	Text(12)
		Refer to Table B-20		Table B-15		From COC. If none, create (See Specifications/ Examples)		Table B-28		Table B-3
Required if sample type is FD, SP, MS, or SD. Enter sample name of the associated primary sample.		Can be multiple devices based on the sample analysis methods. Use commas to separate between multiple sampling devices	Total container count	Code only - no spaces, commas, or other chars.	Yes or No.	**If COC does not have a number**, create one using the format: Sampler Initials + date (mmddyy) + increment for the day. Example: SH080101A. "A" indicates that this is the first COC for that sampler "SH" on on 8/1/2001 (the next would be "B," etc.). **This number is to be written on the top right hand corner of the COC that is shipped with the samples.**	The date the samples are shipped to, picked up by, or delivered to the lab. MM/DD/YYYY.	Use lab codes provided in Table B-33		Only one analytical method in this field, as defined in Table B-3.
Conditional	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Optional	Mandatory
Parent Sample Name	Collector Name	Sampling Device	Container Qty	Preservative Type	Filtered	COC Ref No	ShipDate	Lab Name	Comments	Analytical Method 1

BOE-C6-0233906

3-5 Sample Log

Integer	Text(12)	Integer	Text(12)	Integer	Text(12)	Integer	Text(12)	Integer	Text(12)	Integer	Text(12)	Integer	Text(12)	Integer
	Table B-3		Table B-3		Table B-3		Table B-3		Table B-3		Table B-3		Table B-3	
If the turnaround time for Analytical Method 1 is something other than the standard 10 business days. Enter in days (i.e. 24-hours is entered as 1). **If Analytical Method 1 is to be held until notified, enter 0. Leave as null for standard TAT.**	If more than one analysis. Analytical Method 1 cannot be null. Only one analytical method in this field - do not enter NA.	If Analytical Method 2 is not null, and the turnaround time is something other than the standard 10 business days, enter in days (i.e., 24-hours is entered as 1). **If Analytical Method 2 is to be held until notified, enter 0. Leave as null for standard TAT.**	If more than two analyses. Above analytical methods cannot be null. Only one analytical method in this field - do not enter NA.	If Analytical Method 3 is not null and the turnaround time is something other than the standard 10 business days. Enter in days (i.e. 24-hours is entered as 1). **If Analytical Method 3 is to be held until notified, enter 0.**	See instructions above	See instructions above	See instructions above	See instructions above	See instructions above	See instructions above	See instructions above	See instructions above	See instructions above
Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional
TAT 1	Analytical Method 2	TAT 2	Analytical Method 3	TAT 3	Analytical Method 4	TAT 4	Analytical Method 5	TAT 5	Analytical Method 6	TAT 6	Analytical Method 7	TAT 7	Analytical Method 8	TAT 8

BOE-C6-0233907

3-5 Sample Log

Text(12)	Integer	Text(12)	Integer
Table B-3		Table B-3	
See instructions above	See instructions above	See instructions above	See instructions above
Conditional	Conditional	Conditional	Conditional
Analytical Method 9	TAT 9	Analytical Method 10	TAT 10

BOE-C6-0233908

3-7 Field Monitoring Data

Text(4)	Text(4)	Text(6)	Date/Time	Decimal(5,2)	Decimal(5,2)	Text(4)	Text(50)	Text(50)	Text(50)	Decimal(5,2)	Text(20)	Text(50)	Text(20)	Text(50)
Table B-25	Table B-24					Feet		Table B-12	Table B-13		Table B-13			
C1, C6, etc		Unique identifier of object From Site Object table	08/01/2001 13:45 - (use 24 hour clock)	If groundwater sample, enter top of screen interval	If groundwater sample, enter bottom of screen interval	Feet	As defined by Consultant's sampling plan					Indicate reasons for required measurements that are not collected / beyond QC limits		
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Optional	Mandatory	Optional
Project ID	**Consultant ID**	**Object Name**	**Date_Time**	**Top Depth**	**Base Depth**	**Depth Units**	**Monitoring Event**	**Monitoring Instrument**	**Monitoring Parameter**	**Parameter Value**	**Parameter Units**	Remarks	**Recorded By**	Comments

BOE-C6-0233909

3-8 Soil Cores

Text(4)	Text(4)	Text(6)	Date/Time	Decimal(5,2)	Decimal(5,2)	Text(4)	Text(50)	Integer	Decimal(5,2)	Text(4)	Integer	Text(50)	Text(11)	Text(50)
Table B-30	Table B-29					Feet	Table B-23			Inch			Table B-6	
C1, C6, etc.		Unique identifier of object. From Site Object table.	08/01/2001 13:45 - (use 24 hour clock)	Top depth of soil core. Feet bgs	Bottom depth of soil core. Feet bgs.	Note. Use "Feet" - do not shorten or change		If available. Total number of blow counts for the distance.	If blow count available. Total distance for blow count provided.	If blow count available. Inch.		If lithology not logged.		
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Conditional	Conditional	Conditional	Mandatory	Conditional	Mandatory	Optional
Project ID	**Consultant ID**	**Object Name**	**Date_Time Collected**	**Top Depth**	**Base Depth**	**Depth Units**	**Sampling Device**	Blow Count	Distance	Blow Count Distance Units	**Percent Recovery**	Lithology Description	**Condition**	Comments

BOE-C6-0233910

3-9 Lithology

Text(4)	Text(4)	Text(6)	Decimal(5,2)	Decimal(5,2)	Decimal(5,2)	Text(4)	Text(1)	Text(2)	Text(1)	Text(2)	Text(2)	Text(50)
Table B-25	Table B-24					Feet	A or K				Table B-18	
C1, C6, etc.		Unique identifier of object. From Site Object table.	Top depth of soil type (or soil core for direct push samples). Feet bgs.	Bottom depth of soil type (or soil core for direct push samples). Feet bgs. >= Top Depth.	Beginning of transition to next soil classification. >Top Depth. <= Base Depth. Feet.	Note: Use "Feet" - do not shorten or change	Approximate or Known.	USCS code for primary soil type	"-" or "/" "-" when soil contains 5 to 12% fines or when the plot of the liquid limit and plasticity index values falls into the crosshatched area of the plasticity chart. "/" when there is a borderline condition between two soil classifications.	USCS code for secondary/borderline soil type	If rocks are encountered	
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Conditional	Conditional	Conditional	Optional
Project ID	**Consultant ID**	**Object Name**	**Top Depth**	**Base Depth**	**Transition Depth**	**Depth Units**	**Contact Type**	**USCS Code 1**	USCS Modifier	USCS Code 2	Rock Code	Comments

BOE-C6-0233911

3-10 Core Headspace

Text(4)	Text(4)	Text(6)	Date/Time	Decimal(5,2)	Decimal(5,2)	Text(4)	Text(50)	Decimal(5,2)	Text(4)	Text(50)	Text(50)
Table B-25	Table B-24					Feet	Table B-2		ppmv	Table B-9	
C1, C6, etc.		Unique identifier of object From Site Object table.	08/01/2001 13:45 - (use 24 hour clock)	Top depth of soil sample collected for headspace analysis. Feet bgs.	Bottom depth of soil sample collected for headspace analysis. Feet bgs.	Note: Use "Feet" - do not shorten or change	If a particular analyte, (Example: Benzene)	In ppmw	ppmv		
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Conditional	Mandatory	Mandatory	Mandatory	Optional
Project ID	**Consultant ID**	**Object Name**	**Date_Time Collected**	**Top Depth**	**Base Depth**	**Depth Units**	Analyte	**Headspace Value**	**Headspace Units**	**Headspace Equipment**	Comments

BOE-C6-0233912

3-11 Borehole Geophysics

Text(4)	Text(4)	Text(6)	Decimal(5,2)	Decimal(5,2)	Text(4)	Date/Time	Decimal(5,2)	Decimal(5,2)	Text(3)	Decimal(5,2)	Text(50)	Boolean(3)	Text(2)
Table B-25	Table B-24				Feet				PSF			Yes or No	Table B-10
C1, C6, etc.		Unique identifier of object. From Site Object table.	Discrete depth at which geophysics parameters are evaluated	Subsequent discrete depth at which the geophysics parameter measurements are performed	Feet.	08/01/2001 13:45 - (use 24 hour clock)	Required for CPT. PSF	Required for CPT. PSF	PSF	Required for CPT. Dimensionless		Required. Yes or No	
Mandatory	Mandatory	Mandatory	Mandatory	Conditional	Mandatory	Mandatory	Conditional	Conditional	Conditional	Conditional	Mandatory	Mandatory	Conditional
Project ID	**Consultant ID**	**Object Name**	**Top Depth**	**Base Depth**	**Depth Units**	**Date_Time**	**Tip Friction**	**Sleeve Friction**	**Friction Units**	**Friction Ratio**	**Lithology Description**	**Sample Collected**	**Matrix Type**

BOE-C6-0233913

3-11 Borehole Geophysics

Text(21)	Text(50)	Decimal(5,2)	Text(4)	Text(30)	Decimal(5,2)	Text(10)	Text(30)	Decimal(5,2)	Text(10)
	Table B-20		Feet	Table B-30		Table B-30	Table B-30		Table B-30
See Table 3-6 and Figure 3-4		Feet of water.	Feet.	Example: Pore Pressure	Measured Value	Measured Value Units, Example: psi			
Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional
Sample Name	Sampling Device	Piezometer Reading	Piezometer Units	Geophysics Parameter Type 1	Geophysics Measure 1	Geophysics Units 1	Geophysics Parameter Type 2	Geophysics Measure 2	Geophysics Units 2

BOE-C6-0233914

3-11 Borehole Geophysics

Text(30)	Decimal(5,2)	Text(10)	Text(30)	Decimal(5,2)	Text(10)	Text(30)	Decimal(5,2)	Text(10)	Text(30)	Decimal(5,2)	Text(10)
Table B-30		Table B-30	Table B-30			Table B-30		Table B-30	Table B-30		Table B-30
Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional
Geophysics Parameter Type 3	Geophysics Measure 3	Geophysics Units 3	Geophysics Parameter Type 4	Geophysics Measure 4	Geophysics Units 4	Geophysics Parameter Type 5	Geophysics Measure 5	Geophysics Units 5	Geophysics Parameter Type 6	Geophysics Measure 6	Geophysics Units 6

BOE-C6-0233915

3-11 Borehole Geophysics

Text(50)
Optional
Comments

BOE-C6-0233916

3-12 Well Construction

Text(4)	Text(4)	Text(6)	Text(6)	Text(20)	Decimal(5,2)	Text(6)	Decimal(5,2)	Decimal(5,2)	Text(4)	Boolean(3)	Text(30)
Table B-25	Table B-24			Table B-4		Inches			Feet	Yes or No	Table B-22
C1, C6, etc.		Unique identifier of object. From Site Object table.	Required. If applicable (if soil boring is converted into monitoring well)	Required for each casing interval. Feet.	Required for each casing interval. Inches.	Required for each casing interval. Inches.	Required for each casing interval. Feet.	Required for each casing interval. Feet.	Required for each casing interval. Feet.	Required for each casing interval. Yes or No.	Required for each casing interval.
Mandatory	Mandatory	Mandatory	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional
Project ID	**Consultant ID**	**Object Name**	Soil Boring Object Name	Casing Type	Casing Diameter	Casing Diameter Unit	Casing Top Depth	Casing Base Depth	Casing Depth Unit	Outside Casing	Seal Type

BOE-C6-0233917

3-12 Well Construction

Decimal(5,2)	Text(6)	Decimal(5,2)	Decimal(5,2)	Text(4)	Text(30)	Decimal(5,2)	Text(10)	Text(30)
	Inches			Feet			Cubic Feet	Table B-21
Required for each casing interval. Inches.	Required for each casing interval. Inches.	Required for each casing interval. Feet.	Required for each casing interval. Feet.	Required for each casing interval.	Required for each casing interval.	Required for each casing interval. Cubic Feet.	Required for each casing interval.	Required for each screen interval.
Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional
Seal Diameter	Seal Diameter Unit	Seal Top Depth	Seal Base Depth	Seal Depth Unit	Seal Gradation	Seal Material Qty	Seal Qty Unit	Screen Type

BOE-C6-0233918

3-12 Well Construction

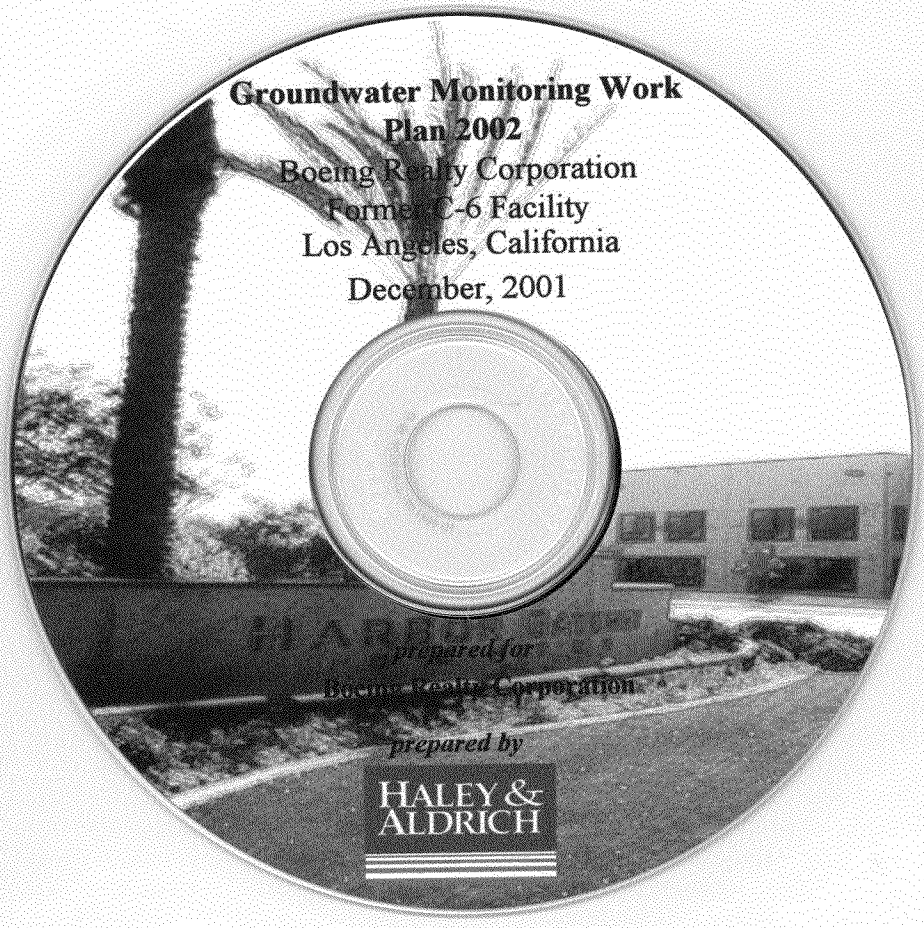
Decimal(5,2)	Text(6)	Decimal(5,2)	Decimal(5,2)	Text(4)	Decimal(5,2)	Text(6)	Text(30)	Decimal(5,2)	Text(6)	Decimal(5,2)
Inches	Inches			Feet		Inches	Table B-8		Inches	
Required for each screen interval. Inches.	Required for each screen interval.	Required for each screen interval. Feet.	Required for each screen interval. Feet.	Required for each screen interval.	Required for each screen interval. Inches.	Required for each screen interval.	Required for each screen interval.	Required for each screen interval. Inches.	Required for each screen interval.	Required for each screen interval. Feet.
Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional	Conditional
Screen Diameter	Screen Diameter Unit	Screen Top Depth	Screen Base Depth	Screen Depth Unit	Screen Slot Size	Screen Slot Unit	Filterpack Type	Filterpack Diameter	Filterpack Diameter Unit	Filterpack Top Depth

BOE-C6-0233919

3-12 Well Construction

Decimal(5,2)	Text(4)	Text(20)	Decimal(5,2)	Text(10)	Boolean(3)	Decimal(5,2)	Text(4)	Text(50)
	Feet			Cubic Feet	Yes or No		Feet	
Required for each screen interval. Feet.	Required for each screen interval.	Required for each screen interval.	Required for each screen interval. Cubic Feet.	Required for each screen interval.	Yes or No.	Report in Feet	Feet	
Conditional	Conditional	Conditional	Conditional	Conditional	Mandatory	Mandatory	Mandatory	Optional
Filterpack Base Depth	Filterpack Depth Unit	Filterpack Gradation	Filterpack Material Qty	Filterpack Qty Unit	**Outside Seal**	**Water Depth**	**Water Depth Units**	Comments

BOE-C6-0233920



Groundwater Monitoring Work Plan 2002

Boeing Realty Corporation
Former C-6 Facility
Los Angeles, California
December, 2001

prepared for

Boeing Realty Corporation

prepared by

HALEY & ALDRICH