

Name of Company that will hold Approval:	EnCana FCCL Oil Sands Ltd.	Company Contact Name and Information:	Carolina Molina, Environmental & Regulatory Affairs Coordinator, Email:Carolina.molina@encana.com, Phone:(403)645-2968
Company Website:	<a href="http://www.encana.com">http://www.encana.com</a>		
Type of Project (e.g., in-situ, mine, quarry, upgrader, etc.):	In-situ		
Types of Activity (major project processes):	SAGD	New Project, Expansion or Modification:	Expansion
Project Location (Legal Land Description) and Municipality:	Approximately 20 kilometers east of Conklin, Alberta in Section 16, Township 76, Range 6, west of the 4th Meridian.	Life of Project (# years, YYYY - YYYY):	25+ years 2014-2039+
Average Production Capacity per Year (specify units):	120,000 bpd incremental Production Capacity for Phases 1E/1F/1G. Cumulative Production Capacity of 218,800 bpd for Phases 1A/1B/1C/1D/1E/1F/1G.	Power Source (If on site power generation describe quantity (MW) and facilities):	Third party utility company (Fortis)
Nearest Residence (km):	Conklin, Alberta (20 km)	Private or Public Land:	Public
Nearest FN Reserve(s) (name and km):	Winefred Lake (13 km) Janvier (30 km) Cowper Lake (36 km) Heart Lake (60 km)	Total Project Area (ha):	10,300 ha
Total Area to be Disturbed (ha):	~214 Hectares	Infrastructure Requirements (roads, pipelines, water intake, storage tankage):	A central processing facility, well pads, roads, a pipeline to supply fuel gas, an electrical power line, a diluted bitumen sales pipeline and a diluent supply pipeline.
Method of Product Transport (e.g., pipeline, rail, truck):	Pipeline	Project Products Including By-Products:	The main product is diluted bitumen. By products of blowdown, regen waste water, and produced water are disposed of in wells via pipeline. Other by-products include sulfur and drilling waste and lime sludge.
Location of End Market:	Currently USA, but this may evolve as Alberta develops upgrading capacity.	Expected Types of Air Emissions (e.g., SO <sub>2</sub> , NO <sub>x</sub> , CO <sub>2</sub> ):	SO <sub>2</sub> , NO <sub>x</sub> , CO <sub>2</sub>
Types of Wastes Generated:	Refer to attached Waste Management Chart	Waste Management Facilities (i.e., Disposal Well, Salt Caverns, Landfill, or Third-Party):	Refer to attached Waste Management Chart

Nearest Waterway/Waterbody (name and km):	Christina Lake (<1 km)	Watercourse Crossings (type of crossing, any Class A to C waterbodies):	We have two C waterbodies that will be crossed. Applications to DFO and TC will be done separately and at the time the crossing is required.
Water Act Licence Required (Y/N/Unknown/NA. If yes: purpose, source and estimated volumes):	Yes	Water Act Approval Required (Y/N/Unknown. If yes, purpose):	Yes
Fisheries Act Authorization Required (Y/N/Unknown):	No	Navigable Waters Protection Act Authorization Required (Y/N/Unknown):	Unknown
Pit Lake(s) Required (Y/N/Unknown/NA. If yes, # and ha):	No	Nearest Water Well (km) (Domestic or Commercial):	There are many saline and non-saline wells in the area as well as incremental saline wells required for Phases 1E/1F/1G. The nearest water well is 'AB WS 0000547' located at 9-17-76-6W4
Nearest Provincial Highway (# and distance):	Highway 881 (10 km)	Access to Provincial Highway (no improv req/improv req/const req):	No improvement required
Traffic Impact Assessment Required (Yes/No/Unknown):	Yes	Pre-disturbance Land Use(s):	Trapping, fishing, recreation
Reclamation Start and End (YYYY - YYYY):	Christina Lake is just in the early stages of development consequently reclamation is far off. ~2025.	Post-reclamation Land Use(s):	Trapping, fishing, recreation
Any Unique Environmental or Social Considerations (if yes, describe):	Yes, Trappers and First Nation Traditional Land Use	Historical Resources Impact Assessment Required (Y/N/Unknown):	Yes
Estimated Construction Person-Years of Employment:	~5,000 for initial construction of Phases 1E/1F/1G	Estimated Operation Persons-Years of Employment:	300-400 person years per year for sustaining wells and project operation for Phase 1E/1F/1G for 25+ years
Construction or Operation Camp Required (Y/N/Unknown. If yes, on-site or off-site):	Yes - The existing on-site camp will be expanded.	Method of Transport of Employees to Site (Construction and Operation):	It is expected that workers will commute to/from local municipalities such as Lac La Biche and Fort McMurray at the beginning and end of the shift. At the end of each shift we expect that the workforce will commute to their home destinations

			<p>via their own personal vehicles twice per shift, once in and once out.</p> <p>Currently the vast majority of Operations workers stay in camp - the option to commute to neighboring communities is there now and will continue to be available in the future. Over the longer term some staff may choose to commute from neighboring communities within a reasonable commute (Conklin, Lac La Biche, Janvier, etc).</p>
Date Stakeholder Engagement Started (Public/Aboriginal):	Q1 2009	Aboriginal Groups Involved in Stakeholder Engagement:	<p>Fort McMurray First Nation, Chipewyan Prairie First Nation, Heart Lake First Nation, Beaver Lake Cree Nation, Conklin Métis, Chard Métis and Wood Buffalo Métis Corporation representing the Willow Lake Métis and Fort McMurray Métis #1935</p>



# WASTE MANAGEMENT CHART

Thermal Recovery B.U. - Christina Lake

September 2007

Remember:  
The best way to manage waste is  
not to produce it in the first place!

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## ENCANA REQUIRES USE OF A MANIFEST FOR ALL WASTE THAT REQUIRES TRACKING

### ENSURE ALL MANIFESTS OR TRUCK TICKETS ARE FORWARDED TO THE AREA WASTE TRACKER (CALGARY OFFICE) FOR DATA ENTRY

Waste Name (Waste Code)	Classification	Storage Requirements	Shipping Information	Documentation	Tracking Required	Management Guidelines & EUB Handling Code
<b>Absorbents (OILABS)</b>	Non-DOW (unless low flashpoint, ignitability or BTEX)	<ul style="list-style-type: none"> <li>When used for chemical or condensate clean-up, transfer to R.B.W. filter bins.</li> <li>If used on lube or crude oil place in supplied R.B.W. drums.</li> </ul>	<ul style="list-style-type: none"> <li>Usually not TDG regulated (Non-DOW).</li> <li>If saturated or used on chemicals or condensate: <b>SOLIDS CONTAINING FLAMMABLE LIQUID N.O.S. (absorbents contaminated with technical name)</b>, Class 4.1, UN 3175, P.G. II. Special Provision #16 &amp; 56.</li> <li>If saturated with lube oil: <b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (absorbents contaminated with used lubricating oil containing lead)</b>, Class 9, UN 3082, P.G. III. Special Provision #16.</li> <li>Ship as per waste filters if placed in R.B.W. bins.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> </ul>	✓	<ul style="list-style-type: none"> <li>Place in R.B.W. Sorbent Drums for R.B.W. pick-up (Handling Code: 16).</li> </ul>
<b>Acid (ACID)</b>	DOW	<ul style="list-style-type: none"> <li>Store in corrosion resistant (plastic or lined) container on barrel dock.</li> </ul>	<ul style="list-style-type: none"> <li><b>CORROSIVE LIQUIDS, N.O.S (type of acid)</b>, Class 8, UN 1760, P.G I. Special Provision #16.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> <li>ERAP** required when shipping &gt;3000 L.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Send to Newalta Elk Point at 3-15-55-6 W4M or CCS Lindbergh at 5-26-56-5 W4M for neutralization and downhole disposal or neutralize prior to sending (Handling Code: 03)</li> <li>When an ERAP is required contact EnCana Environmental Services.</li> </ul>
<b>Activated Carbon (ACTCRB)</b>	DOW (Assumed)	<ul style="list-style-type: none"> <li>May be pyrophoric. Store in sealed steel containers (drums) in a well ventilated area. If not pyrophoric may be placed in R.B.W. filter bins.</li> </ul>	<ul style="list-style-type: none"> <li><b>CARBON, ACTIVATED</b>, Class 4.2, UN 1362, P.G. III.</li> <li>Ship as per waste filters if placed in R.B.W. bins.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Place in R.B.W. filter bins for R.B.W. pick-up (Handling Code: 16).</li> </ul>
<b>Batteries (BATT)</b>	DOW (if lead acid)	<ul style="list-style-type: none"> <li>Store in a steel drum with absorbent or on a drip pan.</li> </ul>	<ul style="list-style-type: none"> <li><b>BATTERIES, WET, FILLED WITH ACID</b>, Class 8, UN 2794, P.G. III, Special Provision #39.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Send to local battery supplier for recycling (Handling Code: 16).</li> <li>Small dry cell batteries can be placed in domestic waste bin and hauled to local landfill (tracking not required)</li> </ul>
<b>Boiler Blowdown Water (BLBDWT)</b>	Non-DOW (unless containing heavy metals such as Cr or V)	<ul style="list-style-type: none"> <li>Closed system.</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG regulated.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest. (If sent for 3rd party disposal)</li> </ul>	✓ (If sent for 3rd party disposal)	<ul style="list-style-type: none"> <li>Dispose to an EnCana Class 1b injection well (Closed System).</li> <li>Send to Newalta Elk Point at 3-15-55-6 W4M or CCS Lindbergh at 5-26-56-5 W4M for downhole disposal or neutralize prior to sending (Handling Code: 05).</li> </ul>

Waste Name (Waste Code)	Classification	Storage Requirements	Shipping Information	Documentation	Tracking Required	Management Guidelines & EUB Handling Code
<b>Caustic (CAUS)</b>	DOW	<ul style="list-style-type: none"> <li>Store in corrosion resistant (plastic or lined) container on barrel dock. Store in a separate area from acids.</li> </ul>	<ul style="list-style-type: none"> <li><b>CORROSIVE LIQUIDS, N.O.S. (type of caustic)</b>, Class 8, UN 1760, P.G. I, Special Provision #16.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> <li>ERAP** required when shipping &gt;3000 L.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Neutralize pH to between 6 and 9.</li> <li>Send to Newalta Elk Point at 3-15-55-6 W4M or CCS Lindbergh at 5-26-56-5 W4M for downhole disposal sending (Handling Code: 05).</li> <li>When an ERAP is required contact EnCana Environmental Services.</li> </ul>
<b>Chemicals - Inorganic (INOCHM)</b>	DOW	<ul style="list-style-type: none"> <li>Store as per suppliers suggested methods.</li> </ul>	<ul style="list-style-type: none"> <li>Consult supplier label for TDG information or consult EnCana Environment personnel.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Return to supplier if possible.</li> <li>Send to Newalta Industrial for possible product recovery (Handling Code: 16).</li> <li>Send to Newalta Redwater Class Ia injection well at 08-15-54-26 W4M (Handling Code: 04)</li> </ul>
<b>Chemicals - Organic (ORGCHM)</b>	DOW	<ul style="list-style-type: none"> <li>Store as per suppliers suggested methods.</li> </ul>	<ul style="list-style-type: none"> <li>Consult supplier label for TDG information or consult EnCana Environment personnel.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Return to supplier if possible.</li> <li>Send to Newalta Industrial for possible product recovery (Handling Code: 16).</li> <li>Send to Newalta Redwater Class Ia injection well at 08-15-54-26 W4M (Handling Code: 04)</li> </ul>
<b>Construction and Demolition Material (CONMAT)</b>	Non-DOW	<ul style="list-style-type: none"> <li>Store in an orderly manner in a low traffic area of facility.</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG regulated (unless contaminated with a DOW).</li> </ul>	<ul style="list-style-type: none"> <li>Truck Ticket or invoice</li> </ul>		<ul style="list-style-type: none"> <li>Transport to Fort McMurray landfill at 22-88-9 W4M or Owl River landfill at NW25-67-13 W4M (Handling Code: 11)</li> </ul>
<b>Containers - Crude Oil Sample Bottles (EMTCON)</b>	Non-DOW	<ul style="list-style-type: none"> <li>Store empty containers in steel drums.</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG regulated (if no free liquids).</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> </ul>		<ul style="list-style-type: none"> <li>Clean and reuse when possible.</li> <li>If broken, drain and clean then send to local landfill (Handling Code: 11).</li> </ul>
<b>Containers - Drums / Barrels (EMTCON)</b>	Non-DOW (unless not empty of a DOW)	<ul style="list-style-type: none"> <li>Store on sides with all bungs securely in place.</li> </ul>	<ul style="list-style-type: none"> <li>Usually not TDG regulated (Non-DOW).</li> <li>If &gt; 10% full with a dangerous good, use TDG shipping information of the dangerous good.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> </ul>		<ul style="list-style-type: none"> <li>Return to supplier if possible.</li> <li>Send to Great Western Containers in Edmonton (Handling Code: 16).</li> </ul>
<b>Contaminated Debris and Soil - Chemical/Solvent (SOILCH)</b>	DOW (Assumed)	<ul style="list-style-type: none"> <li>Store in drums or bins at waste storage area.</li> <li>For larger volumes store in a secure area. Ensure secondary containment and protection from precipitation.</li> </ul>	<ul style="list-style-type: none"> <li>Dependent on specific chemical / solvent. Consult supplier label for TDG information.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> </ul>	✓	<ul style="list-style-type: none"> <li>Treat on-site as per EnCana Environment personnel directions (Handling Code: 19).</li> <li>R.B.W. Bins are picked up by R.B.W. on a regular schedule (Handling Code: 16).</li> </ul>
<b>Contaminated Debris and Soil - Oil / Condensate (SOILCO)</b>	Non-DOW (unless low flashpoint or BTEX)	<ul style="list-style-type: none"> <li>Store in a secure area. Ensure secondary containment and protection from precipitation.</li> </ul>	<ul style="list-style-type: none"> <li>If low hydrocarbon or BTEX content, and flash point &gt;61°C: Not TDG regulated (Non-DOW).</li> <li>If unsure or high hydrocarbon content: <b>SOLIDS CONTAINING FLAMMABLE LIQUID N.O.S. (soil / debris contaminated with crude oil)</b>, Class 4.1, UN 3175, P.G. II. Special Provision #16 &amp; 56</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Treat on-site as per EnCana Environment personnel directions (Handling Code: 19).</li> <li>Send to an oilfield waste processing facility (Handling Code: 03)</li> <li>R.B.W. Bins are picked up by R.B.W. on a regular schedule (Handling Code: 16).</li> </ul>

Waste Name (Waste Code)	Classification	Storage Requirements	Shipping Information	Documentation	Tracking Required	Management Guidelines & EUB Handling Code
Contaminated Debris and Soil - Produced Water (SOILPW)	Non-DOW	<ul style="list-style-type: none"> <li>Store in a lined, diked area.</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG regulated.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest (if moved off-site)</li> </ul>	✓	<ul style="list-style-type: none"> <li>Treat on-site as per EnCana Environment personnel directions (Handling Code: 21 - on-site chemical treatment).</li> <li>R.B.W. Bins are picked up by R.B.W. on a regular schedule (Handling Code: 16).</li> </ul>
Contaminated Debris and Soil - Refined Fuels/Oils (SOILRO)	Non-DOW (unless low flashpoint, BTEX or heavy metals)	<ul style="list-style-type: none"> <li>Store in a lined, diked area.</li> </ul>	<ul style="list-style-type: none"> <li>If low hydrocarbon or BTEX content, and flash point &gt;61°C: Not TDG regulated (Non-DOW).</li> <li>If unsure or high hydrocarbon content: <b>SOLIDS CONTAINING FLAMMABLE LIQUID N.O.S. (soil / debris contaminated with name of product)</b>, Class 4.1, UN 3175, P.G. II. Special Provision #16 &amp; 56</li> <li>If lube oil with heavy metals: <b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (soil / debris contaminated with lubricating oil containing lead)</b>, Class 9, UN 3077, P.G. III. Special Provision #16.</li> <li>Waste must be tested.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest (if moved off-site)</li> </ul>	✓	<ul style="list-style-type: none"> <li>Treat on-site as per EnCana Environment personnel directions (Handling Code: 19).</li> <li>Contact EnCana Environment personnel to arrange off-site disposal if required.</li> <li>R.B.W. Bins are picked up by R.B.W. on a regular schedule (Handling Code: 16).</li> </ul>
Corrosion Inhibitor / Oxygen Scavenger Solutions (CORINH)	DOW	<ul style="list-style-type: none"> <li>Store in closed tanks or drums.</li> </ul>	<ul style="list-style-type: none"> <li><b>FLAMMABLE LIQUID, CORROSIVE N.O.S. (oilfield process liquids)</b>, Class 3(8), UN 2924. Special Provision #16.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> <li>ERAP** required when shipping &gt;1000 L.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Send to Newalta Elk Point at 3-15-55-6 W4M or CCS Lindbergh at 5-26-56-5 W4M (Handling Code: 03).</li> <li>When an ERAP is required contact EnCana Environmental Services.</li> </ul>
Crude Oil and Condensate Emulsions (COEMUL) <i>Does not include liquids destined for custom treating only</i>	Non-DOW (unless low flashpoint or BTEX)	<ul style="list-style-type: none"> <li>Store in production tanks.</li> </ul>	<ul style="list-style-type: none"> <li>If low oil content: Not TDG regulated (Non-DOW).</li> <li>If unsure or high oil / condensate content: <b>PETROLEUM CRUDE OIL</b>, Class 3, UN 1267, P.G. II or III.</li> <li>Waste must be tested.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> </ul>	✓	<ul style="list-style-type: none"> <li>Recycle waste to process when possible.</li> <li>Send to Newalta Elk Point at 3-15-55-6 W4M or CCS Lindbergh at 5-26-56-5 W4M for product recovery (Handling Code: 03).</li> </ul> <p><b>Note:</b> <i>Liquids destined for custom treating (oil and water only) are not considered wastes and exempt from EUB waste legislation. TDG may still apply.</i></p>
Dessicant – Air Compressors (DESICT)	Non-DOW	<ul style="list-style-type: none"> <li>Store in sealed drums or reinforced bags.</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG regulated.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> </ul>	✓	<ul style="list-style-type: none"> <li>Send to Canadian Waste Services Edmonton Class II landfill (Handling Code: 10).</li> </ul>
Filter Backwash Liquids - Water treatment (FLBWWT)	Non-DOW	<ul style="list-style-type: none"> <li>Store in lined ponds.</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG regulated.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> </ul>		<ul style="list-style-type: none"> <li>Recycle through battery.</li> <li>Send to Newalta Elk Point at 3-15-55-6 W4M or CCS Lindbergh at 5-26-56-5 W4M (Handling Code: 03)</li> </ul>

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<b>Filter (Media) - Water Treatment (FILWTT)</b>	Non-DOW (unless BTEX or other leachate)	<ul style="list-style-type: none"> <li>• Store in sealed drums</li> </ul>	<ul style="list-style-type: none"> <li>• Waste usually not TDG regulated.</li> <li>• If high BTEX content: <b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (waste filters used in the commercial production of oil and gas)</b>, Class 9, UN 3077, P.G. III. Special Provision #16.</li> </ul>	<ul style="list-style-type: none"> <li>• Oilfield Waste Manifest</li> </ul>	✓	<ul style="list-style-type: none"> <li>• If Non-DOW send to Canadian Waste Services Class II Edmonton landfill (Handling Code: 10).</li> <li>• If DOW - as soon as sufficient quantities exist, transport to nearest R.B.W. filter bin.</li> <li>• R.B.W. bins are picked up by R.B.W. on a regular schedule (Handling Code: 16).</li> <li>• Reuse/regenerate when possible.</li> </ul>
<b>Filters - Gas Sweetening - Amine (FILSWT)</b>	DOW	<ul style="list-style-type: none"> <li>• Store in drain drums on barrel dock.</li> <li>• Provide spill / leak containment.</li> <li>• Store Pyrophoric filters in sealed steel drums.</li> <li>• Transfer to R.B.W. bins when dry.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (waste filters used in the commercial production of oil and gas)</b>, Class 9, UN 3077, P.G. III. Special Provision #16.</li> <li>• May also be pyrophoric, Class 4.2.</li> </ul>	<ul style="list-style-type: none"> <li>• Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>• As soon as sufficient quantities exist, transport to nearest R.B.W. filter bin.</li> <li>• R.B.W. bins are picked up by R.B.W. on a regular schedule (Handling Code: 16).</li> </ul>
<b>Filters - Glycol (FILGLY)</b>	DOW	<ul style="list-style-type: none"> <li>• Store in drain drums on barrel dock. Filters used in sour service may be pyrophoric - keep filters wet.</li> <li>• Provide spill / leak containment.</li> <li>• Transfer to R.B.W. bins when dry.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (waste filters used in the commercial production of oil and gas)</b>, Class 9, UN 3077, P.G. III. Special Provision #16.</li> <li>• May also be pyrophoric, Class 4.2.</li> </ul>	<ul style="list-style-type: none"> <li>• Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>• As soon as sufficient quantities exist, transport to nearest R.B.W. filter bin.</li> <li>• R.B.W. bins are picked up by R.B.W. on a regular schedule (Handling Code: 16).</li> </ul>
<b>Filters - Lube oil (FILLUB)</b>	DOW (Unless filter elements are completely drained)	<ul style="list-style-type: none"> <li>• Store in drain drums on barrel dock.</li> <li>• Provide spill / leak containment.</li> <li>• Transfer to R.B.W. bins when dry.</li> </ul>	<ul style="list-style-type: none"> <li>• If drained (Non-DOW): Not TDG regulated.</li> <li>• If undrained (DOW): <b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (waste filters used in the commercial production of oil and gas)</b>, Class 9, UN 3077, P.G. III. Special Provision #16.</li> </ul>	<ul style="list-style-type: none"> <li>• Oilfield Waste Manifest</li> </ul>	✓	<ul style="list-style-type: none"> <li>• As soon as sufficient quantities exist, transport to nearest R.B.W. filter bin.</li> <li>• R.B.W. bins are picked up by R.B.W. on a regular schedule (Handling Code: 16)</li> </ul>
<b>Filters – Methanol (FILMTH)</b>	DOW	<ul style="list-style-type: none"> <li>• Store in sealed drums on barrel dock.</li> <li>• Provide spill / leak containment.</li> <li>• Transfer to R.B.W. bins when dry.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (waste filters used in the commercial production of oil and gas)</b>, Class 9, UN 3077, P.G. III. Special Provision #16.</li> </ul>	<ul style="list-style-type: none"> <li>• Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>• As soon as sufficient quantities exist, transport to nearest R.B.W. filter bin.</li> <li>• R.B.W. bins are picked up by R.B.W. on a regular schedule (Handling Code: 16)</li> </ul>
<b>Filters - Other (Raw /Fuel Gas, NGL's) (FILOTH)</b>	DOW	<ul style="list-style-type: none"> <li>• Store in sealed drums on barrel dock.</li> <li>• Provide spill / leak containment.</li> <li>• Transfer to R.B.W. bins when dry.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (waste filters used in the commercial production of oil and gas)</b>, Class 9, UN 3077, P.G. III. Special Provision #16.</li> </ul>	<ul style="list-style-type: none"> <li>• Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>• As soon as sufficient quantities exist, transport to nearest R.B.W. filter bin.</li> <li>• R.B.W. bins are picked up by R.B.W. on a regular schedule (Handling Code: 16)</li> </ul>

Waste Name (Waste Code)	Classification	Storage Requirements	Shipping Information	Documentation	Tracking Required	Management Guidelines & EUB Handling Code
Filters - Produced Water (FILPWT)	DOW	<ul style="list-style-type: none"> <li>Store in drain drums on barrel dock.</li> <li>Provide spill / leak containment.</li> <li>Transfer to R.B.W. bins when dry.</li> </ul>	<ul style="list-style-type: none"> <li><b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (waste filters used in the commercial production of oil and gas)</b>, Class 9, UN 3077, P.G. III. Special Provision #16.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>As soon as sufficient quantities exist, transport to nearest R.B.W. filter bin.</li> <li>R.B.W. bins are picked up by R.B.W. on a regular schedule (Handling Code: 16)</li> </ul>
Filters - Raw (Fresh) Water (FILFWT)	Non-DOW	<ul style="list-style-type: none"> <li>Store in supplied domestic waste bins.</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG regulated.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> </ul>		<ul style="list-style-type: none"> <li>Transport to Fort McMurray landfill at 22-88-9 W4M (Handling Code: 11)</li> </ul>
Garbage - Domestic Waste (DOMWST)	Non-DOW	<ul style="list-style-type: none"> <li>Store in supplied domestic waste bins.</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG regulated.</li> </ul>	<ul style="list-style-type: none"> <li>Truck Ticket or invoice.</li> </ul>		<ul style="list-style-type: none"> <li>Transport to Fort McMurray landfill at 22-88-9 W4M or Owl River landfill at NW25-67-13 W4M (Handling Code: 11)</li> </ul>
Glycol (GLYC)	Non-DOW (Unless from a cooling system with lead solder)	<ul style="list-style-type: none"> <li>Store in steel drums on barrel dock or in steel tanks.</li> </ul>	<ul style="list-style-type: none"> <li>Usually not TDG regulated (Non-DOW).</li> <li>If heavy metals are suspected due to lead soldered vessels: <b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (glycol solution containing lead)</b>, Class 9, UN 3082, P.G. III. Special Provision #16.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> </ul>	✓	<ul style="list-style-type: none"> <li>Return to supplier if product has not been contaminated.</li> <li>Send to Newalta Industrial for regeneration (Handling Code: 16).</li> </ul>
Hydrotest Fluids - Methanol (METHNL)	DOW	<ul style="list-style-type: none"> <li>Store in steel drums on barrel dock or in steel tanks.</li> </ul>	<ul style="list-style-type: none"> <li><b>METHANOL, SOLUTION</b>, Class 3 (6.1), UN 1230, P.G. II. Special Provision #43.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Reuse when possible.</li> <li>Send to Newalta Elk Point at 3-15-55-6 W4M or CCS Lindbergh at 5-26-56-5 W4M for deep well disposal (organics must be &lt;10%) (Handling Code: 05).</li> </ul>
Ion Exchange Resin (IEXRES)	Non-DOW	<ul style="list-style-type: none"> <li>Store in sealed drums.</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG regulated.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> </ul>	✓	<ul style="list-style-type: none"> <li>Send to Canadian Waste Services Class II Edmonton landfill (Handling Code: 10).</li> </ul>
Ion Exchange Regenerant Liquids (IEXLIQ)	Non-DOW (Assumed)	<ul style="list-style-type: none"> <li>Closed system.</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG regulated.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> </ul>	✓	<ul style="list-style-type: none"> <li>Dispose to an EnCana Class Ib injection well (Closed System).</li> </ul>
Lube Oil (LUBOIL)	DOW (Assumed)	<ul style="list-style-type: none"> <li>Store in sealed drums on barrel dock or in storage tanks equipped with spill containment / leak detection.</li> <li>Used lube oil must be segregated from other waste liquids to facilitate recycling.</li> </ul>	<ul style="list-style-type: none"> <li><b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (used lubricating oil containing lead)</b>, Class 9, UN 3082, P.G. III. Special Provision #16.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Picked up by supplier or Newalta when requested. Waste lube oil is re-refined by Newalta and the Esso refinery in Ft. Saskatchewan (Handling Code: 15).</li> <li>R.B.W. Bins are picked up by R.B.W. on a regular schedule (Handling Code: 16).</li> </ul>
Metal Scrap (SMETAL)	Non-DOW (Assumed)	<ul style="list-style-type: none"> <li>Store in a low traffic areas.</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG regulated.</li> </ul>	<ul style="list-style-type: none"> <li>Truck Ticket / Invoice.</li> </ul>		<ul style="list-style-type: none"> <li>Send to local scrap metal dealer for recycling (Handling Code: 16).</li> </ul>
NORM Scale (NORM)	Non-DOW (Unless > 70 Bq/gm)	<ul style="list-style-type: none"> <li>Seal and transfer to Wainwright B NORM storage facility.</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG regulated.</li> <li>Contact EnCana Environmental Services prior to transport.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Transfer to EnCana Wainwright B NORM storage facility.</li> <li>Contact EnCana Environmental Services.</li> </ul>
Paint (WPAINT)	DOW	<ul style="list-style-type: none"> <li>Store in paint cabinets. Provide secondary containment and protection from precipitation.</li> </ul>	<ul style="list-style-type: none"> <li><b>PAINT</b>, Class 3, UN 1263, P.G. II, Special Provision #59. See paint container for specific TDG Class.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Place in sealed containers next to R.B.W. bins for scheduled R.B.W. pick-up.</li> </ul>



Waste Name (Waste Code)	Classification	Storage Requirements	Shipping Information	Documentation	Tracking Required	Management Guidelines & EUB Handling Code
Wash Fluids - Water (WSHWTR)	Non-DOW (Unless high organic content, flash point or pH)	<ul style="list-style-type: none"> <li>Usually handled in a closed system.</li> <li>For open system contain in drums or, if necessary, lined ponds.</li> </ul>	<ul style="list-style-type: none"> <li>Usually not TDG regulated (Non-DOW).</li> <li>If fluid contains hydrocarbon or other contaminants: <b>FLAMMABLE LIQUID, CORROSIVE N.O.S. (oil and gas industry wash solutions)</b>, Class 3 (8), UN 2924. Special Provision #16.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> <li>ERAP** required when shipping &gt;1000 L (DOW only).</li> </ul>	✓ (if DOW)	<ul style="list-style-type: none"> <li>Send to Newalta Elk Point at 3-15-55-6 W4M or CCS Lindbergh at 5-26-56-5 W4M for deep well disposal (Handling Code: 05)</li> <li>When an ERAP is required contact EnCana Environmental Services.</li> </ul>
Water – Produced / Brine Solutions (WATER)	Non-DOW	<ul style="list-style-type: none"> <li>Handle within a closed system at facility or store in production or water tanks.</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG regulated.</li> </ul>	<ul style="list-style-type: none"> <li>Truck Ticket / Invoice.</li> </ul>		<ul style="list-style-type: none"> <li>Dispose to EnCana Class II Injection well (Handling Code: 06).</li> </ul>
Well Workover Fluids - Acid (WWOFLD)	DOW (Assumed)	<ul style="list-style-type: none"> <li>Store in corrosion resistant (plastic or lined) container on barrel dock.</li> </ul>	<ul style="list-style-type: none"> <li><b>CORROSIVE LIQUID, N.O.S. (type of acid)</b>, Class 8, UN 1760, P.G. I, Special Provision #16.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> <li>ERAP** required when shipping &gt;3000 L.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Neutralize pH to between 6 and 9.</li> <li>Send to Newalta Elk Point at 3-15-55-6 W4M or CCS Lindbergh at 5-26-56-5 W4M for downhole disposal (Handling Code: 05).</li> <li>When an ERAP is required contact EnCana Environmental Services.</li> </ul>
Pigging Wastes (PIGWST)	DOW (Assumed)	<ul style="list-style-type: none"> <li>Store in drums or other steel containers on the barrel dock.</li> </ul>	<ul style="list-style-type: none"> <li><b>SOLIDS CONTAINING FLAMMABLE LIQUID N.O.S.</b> (crude oil sludge and wax), Class 4.1, UN 3175, P.G. II. Special Provision # 16 &amp; 56.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Recycle through system when possible.</li> <li>Send to Newalta Elk Point at 3-15-55-6 W4M or CCS Lindbergh at 5-26-56-5 W4M (Handling Code: 03).</li> </ul>
Rags - Oily (OILRAG)	Non-DOW (unless low flashpoint, ignitability and BTEX)	<ul style="list-style-type: none"> <li>Store in sealed drums or containers at barrel dock.</li> </ul>	<ul style="list-style-type: none"> <li>Usually not TDG regulated (Non-DOW).</li> <li>If saturated or used on chemicals or condensate: <b>SOLIDS CONTAINING FLAMMABLE LIQUID N.O.S. (rags contaminated with technical name)</b>, Class 4.1, UN 3175, P.G. II. Special Provision # 16 &amp; 56</li> <li>Ship as per waste filters if placed in filter bins.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> </ul>	✓ (if DOW)	<ul style="list-style-type: none"> <li>Place in R.B.W. bin. R.B.W. bins are picked up by R.B.W. on a regular schedule (Handling Code: 16).</li> </ul>
Sand – Produced (SAND)	DOW (Assumed)	<ul style="list-style-type: none"> <li>Store in lined ponds or tanks.</li> <li>Store separately from other sludges.</li> </ul>	<ul style="list-style-type: none"> <li><b>SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (produced sand containing crude oil)</b>, Class 4.1, UN 3175, P.G. II. Special Provision # 16 &amp; 56.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> </ul>	✓	<ul style="list-style-type: none"> <li>Send to Newalta Elk Point at 3-15-55-6 W4M, CCS Lindbergh at 5-26-56-5 W4M or Bromley-Marr Bonnyville at NE 4-61-05 W4M for product recovery (Handling Code: 03).</li> <li>Send to Canadian Waste Services' Edmonton Landfill (Handling Code: 10).</li> <li>Consult EnCana environmental personnel for other disposal options such as road spread/incorporation or asphalt production.</li> </ul>

Waste Name (Waste Code)	Classification	Storage Requirements	Shipping Information	Documentation	Tracking Required	Management Guidelines & EUB Handling Code
Slop Oil (COEMUL)	DOW (Assumed)	<ul style="list-style-type: none"> <li>Store in tanks.</li> </ul>	<p><i>If mainly liquid:</i></p> <ul style="list-style-type: none"> <li><b>PETROLEUM CRUDE OIL</b>, Class 3, UN 1267, P.G. II or III.</li> </ul> <p><i>If mainly solid:</i></p> <ul style="list-style-type: none"> <li><b>SOLIDS CONTAINING FLAMMABLE LIQUIDS, N.O.S. (hydrocarbon sludge from the production of oil and gas)</b>, Class 4.1, UN 3175, P.G. II. Special Provision # 16 &amp; 56 (Waste Code for this option is SLGHYD)</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> </ul>	✓	<ul style="list-style-type: none"> <li>Send to Newalta Elk Point at 3-15-55-6 W4M or CCS Lindbergh at 5-26-56-5 W4M for product recovery (Handling Code: 03).</li> </ul>
Sludge - Hydrocarbon (SLGHYD)	DOW (Assumed)	<ul style="list-style-type: none"> <li>Store in lined ponds or tanks / drums.</li> <li>Store separately from other sludges.</li> </ul>	<ul style="list-style-type: none"> <li><b>SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (hydrocarbon sludge from the production of oil and gas)</b>, Class 4.1, UN 3175, P.G. II. Special Provision # 16 &amp; 56.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Recycle to process when possible.</li> <li>Send to Newalta Elk Point at 3-15-55-6 W4M or CCS Lindbergh at 5-26-56-5 W4M (Handling Code: 03).</li> </ul>
Sludge Sulphur (SLGSUL)	Non-DOW	<ul style="list-style-type: none"> <li>Store in metal bins or drums</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG Regulated.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> </ul>	✓	<ul style="list-style-type: none"> <li>Send to Landfill for disposal: - West Edmonton Landfill (Handling Code 10)</li> </ul>
Sludge – Lime (SLGLIM)	Non-DOW	<ul style="list-style-type: none"> <li>Store in metal bins</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG Regulated.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> </ul>	✓	<ul style="list-style-type: none"> <li>Send to Newalta Elk Point at 3-3-55-6 W4M (Handling Code 03), CCS Lindbergh at 5-26-56-W4M (Handling Code 03), or West Edmonton Landfill (Handling Code 10).</li> </ul>
Wash Fluids - Solvent (WSHORG)	DOW (Assumed)	<ul style="list-style-type: none"> <li>Store in tanks or sealed drums.</li> </ul>	<ul style="list-style-type: none"> <li>May be Class 3, 6 or 8. Refer to TDG information from supplier.</li> <li>Uncontaminated BioSol is not TDG Regulated.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Send to Newalta Industrial for product recovery (Handling Code: 16).</li> <li>Send for deep well disposal (Handling Code: 04).</li> </ul>
Well Workover Fluids - Hydrocarbon (WWOFLD)	DOW (Assumed)	<ul style="list-style-type: none"> <li>Store in production \ slop tanks or drums.</li> </ul>	<ul style="list-style-type: none"> <li><b>FLAMMABLE LIQUID, CORROSIVE N.O.S. (mixed oilfield production fluids)</b> Class 3(8), UN 2924. Special Provision #16.</li> </ul>	<ul style="list-style-type: none"> <li>Oilfield Waste Manifest</li> <li>ERAP** required when shipping &gt;1000 L.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Recycle waste to process when possible.</li> <li>Send to Newalta Elk Point at 3-15-55-6 W4M or CCS Lindbergh at 5-26-56-5 W4M for product recovery (Handling Code: 03).</li> <li>When an ERAP is required contact EnCana Environmental Services.</li> </ul>
Well Workover Fluids - Produced Water (WWOFLD)	Non-DOW	<ul style="list-style-type: none"> <li>Handle within a closed system or store in production tanks.</li> </ul>	<ul style="list-style-type: none"> <li>Not TDG regulated.</li> </ul>	<ul style="list-style-type: none"> <li>Truck Ticket / Invoice.</li> </ul>	✓	<ul style="list-style-type: none"> <li>Process through battery if possible. Downhole inject via EnCana Class II Injection well (Handling Code: 06).</li> <li>Send to Newalta Elk Point at 3-15-55-6 W4M or CCS Lindbergh at 5-26-56-5 W4M (Handling Code: 05)</li> </ul>

### EnCana Waste Storage and Shipping Locations\*

Facility Name	Location	EUB Facility Licence Number
Christina Lake Project	8-17-76-6 W4M	F-27189

### EUB Approved Waste Receivers (for area)

Facility Name	Location	EUB Facility Code (Main Waste Facility)
CCS Lindbergh	5-26-56-5 W4M Box 1300 Elk Point, AB T0A 1A0 P: (780) 724-3002 F: (780) 724-4961	557
Newalta Elk Point	3-15-55-6 W4M Box 1001 Elk Point, AB T0A 1A0 P: (403) 724-4333 F: (403) 724-3519	688
Landfills: Ft. McMurray Owl River CWS Edmonton CCS Janvier	P: (780) 799-5822 P: (780) 826-3951 P: (780) 447-2141 P: (780) 792-8153	
Other Receivers: RBW Waste Mgmt Newalta Industrial	P: (780) 438-2183 P: (780) 469-0392	

\* If sending wastes directly for disposal from locations other than those listed, ensure the complete legal location and EUB Facility Code are indicated on the Manifest or Truck Ticket. If sending from a wellsite, use the facility code of the central production site the well is tied into.

\*\* ERAP - Emergency Response Assistance Plan (see TDGR Part 7 for further info).

If you have any questions concerning waste management see the Environmental Services Web Site for a copy of EnCana's Waste Management Guidelines, or contact:

- Area Waste Rep. – Mark Berrett (780) 559-6147
- Waste Tracker – Lyla Gobin (403) 645-7812
- Environmental Services - Shannon Makinson (403) 645-5709
- Upstream Operations - Drilling Waste - Sean Wade (403) 645-6574

EnCana's EUB Operator Code is **A2EZ**

EnCana's Alberta Waste Generator Number is **ABG1665** (Former PCR operations).

This number must be included on the manifest for any wastes destined for disposal at an AENV approved facility (e.g. Swan Hills).

This chart has been developed as a quick reference source only. For further information regarding the management of produced wastes consult EnCana environmental personnel.

### EUB Waste Handling Codes

01	Storage Facility	12	Thermal Treatment
02	Transfer Station (Specify final disposal location/type)	13	Biodegradation Facility
03	Oilfield Waste Processing Facility	14	Small Oilfield Waste Incinerator
04	Class Ia Disposal Well	15	Used Oil Recycler
05	Class Ib Disposal Well	16	Recycling Facility (excluding used oil)
06	Class II Disposal Well	17	Swan Hills Facility
07	Cavern	18	Road Spreading
08	Class Ia Landfill	19	Biodegradation (on-site)
09	Class Ib Landfill	20	Burial (on-site)
10	Class II Landfill	21	Other (specify)
11	Class III Landfill		

### EUB Number and Type of Packaging

01	Drum	05	Bag
02	Tank	06	Roll-off or Lugger
03	Bulk	07	Other
04	Carton		

### EnCana Oilfield Waste Manifesting Procedure

EnCana Generator	Transporter	Receiver	EnCana Calgary Office
<ul style="list-style-type: none"> <li>• Complete <b>Part A</b></li> <li>• Have Transporter complete <b>Part B</b></li> <li>• Give remaining pages of manifest to Transporter</li> <li>• Send <b>blue</b> pages to EnCana Calgary Office</li> </ul>	<ul style="list-style-type: none"> <li>• Complete <b>Part B</b></li> <li>• Carry manifest with shipment</li> <li>• Give manifest to Receiver</li> <li>• Receive <b>pink</b> page from Receiver</li> <li>• Contact Generator if serious discrepancy (24 hours)</li> </ul>	<ul style="list-style-type: none"> <li>• Complete <b>Part C</b> upon receipt of shipment</li> <li>• Return <b>pink</b> page to Transporter (30 days)</li> <li>• Retain <b>yellow</b> page for 2 years</li> <li>• Return <b>white</b> page to Generator (30 days)</li> <li>• Contact Generator /Transporter if serious discrepancy (24 hours)</li> </ul>	<ul style="list-style-type: none"> <li>• Receive <b>white</b> page from Receiver</li> <li>• Notify EUB immediately of any serious discrepancy</li> <li>• Investigate and correct discrepancies (with EnCana operator) and complete <b>Part D</b></li> <li>• Correct any mistakes on manifest</li> <li>• Retain <b>white</b> page and any <b>blue</b> pages for 2 years</li> <li>• Record information onto waste tracking system.</li> </ul>

EnCana is responsible to complete all of Parts A and D of the manifest (Red Area)

Alberta Generator Number required when sending waste to an Alberta Environment approved facility (a good idea to include it all of the time)



Alberta Oilfield Waste Form

Form No. 859954

Waste Source Information (Must be complete and accurate)

Intended Receiver Information (Must be complete and accurate)

Waste Code (from 1st column of chart) must be indicated

Must indicate D (DOW) or N (Non-DOW)

Part D to be completed after yellow and white copies returned by receiver (if discrepancy between quantity shipped and quantity received)

A) GENERATOR (CONSIGNOR)										B) TRANSPORTER (CARRIER)											
COMPANY NAME: <b>EnCana FCCL Oilsands Ltd.</b>					OPERATOR/BA CODE (GENERATOR): <b>ABG1665 A2EZ</b>					COMPANY NAME: <b>Winterhawk Enterprises Ltd.</b>					CITY: <b>Provost</b> PROV: <b>Alberta</b>						
ADDRESS: <b>Box 2850</b>					ADDRESS: <b>Box 1049</b>					POSTAL CODE: <b>T0B 3S0</b>					POSTAL CODE:						
CITY: <b>Calgary</b>					PROV: <b>Alberta</b> POSTAL CODE: <b>T2P 2S5</b>					DATE: <b>July 02/08</b>					UNIT NO: <b>1280</b> TELEPHONE: <b>780-753-6330</b> FAX: <b>780-753-6141</b>						
SOURCE SITE LOCATION (SURFACE LOCATION): <b>08-17-76-06 W4M Christina Lake</b>										Certification - I declare that I have received wastes as offered by the Generator in PART A for delivery to the Intended Receiver and that the information contained in PART B is correct and complete.											
LICENCE TYPE (W.P.F.) & LICENCE NUMBER: <b>F-27189</b>										NAME (PRINT): <b>Bob Brown</b> SIGNATURE: <b>Bob Brown</b>											
INTENDED RECEIVER: <b>CCS Lindbergh</b>										C) RECEIVER (CONSIGNEE)											
CITY: <b>Elk Point</b>					PROV: <b>Alberta</b>					COMPANY NAME: <b>CCS Lindbergh</b>					CITY: <b>Elk Point</b> PROV: <b>Alberta</b>						
RECEIVING SITE LOCATION: <b>05-26-056-05 W4M</b>					RECEIVING SITE LOCATION: <b>05-26-056-05 W4M</b>					OPERATOR CODE/BA CODE: <b>557 Nz1</b>					POSTAL CODE: <b>TOA 1A0</b>						
WASTE CODE	D(DOW) or N(NON-DOW)	TDG SHIPPING NAME (DOW)/COMMON NAME IF NON-DOW	CLASS	TDGA/UN	PACKING GROUP	QUANTITY SHIPPED	UNITS	EXCHANGING	HANDLING	QUANTITY RECEIVED	UNITS	OIL %	WATER %	SOLID %	HAND CODE	TRANS DECON					
<b>LUBOIL</b>	<b>D</b>	<b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (used lubricating oil containing lead)</b>	<b>9</b>	<b>UN3082</b>	<b>III</b>	<b>200</b>	<b>L</b>	<b>04</b>	<b>Drum</b>	<b>15</b>	<b>180</b>	<b>L</b>	<b>100</b>		<b>15</b>	<b>No</b>					
SPECIAL HANDLING/EMERGENCY INSTRUCTIONS:										IF HANDLING CODE '02' OR '21' SPECIFY:											
DATE SHIPPED: <b>July 02/08</b>					TIME SHIPPED: <b>July 02/08</b>					DATE RECEIVED: <b>July 02/08</b>					TIME RECEIVED:						
Certification - I declare that the information in PART A is correct and complete.										TELEPHONE / CELLULAR: <b>403-823-1000</b>					IDENTIFY DISCREPANCIES BETWEEN WASTE RECEIVED AND DETAILS LISTED IN PART A IN THE COMMENTS SECTION.						
NAME OF AUTHORIZED PERSON (PRINT): <b>Bill Black</b>					SIGNATURE: <b>Bill Black</b>					24HR EMERGENCY NO: <b>403-645-3333</b>					<b>20 L</b>						
COMMENTS										Certification - I declare that the information contained in PART C is correct and complete.											
<b>Shipped volume based on field estimate.</b>										NAME OF AUTHORIZED PERSON (PRINT): <b>Daryl Smith</b>											
										TELEPHONE: <b>403-362-4266</b>											
										SIGNATURE: <b>Daryl Smith</b>											

EP - MAN1 - 2006-02 PRESS FIRMLY AND PRINT CLEARLY. SEE BACK FOR FORM INSTRUCTIONS.

Distribution: White - Generator(via receiver), Yellow - Receiver, Pink - Transporter, Blue - Generator

If DOW must use proper TDG Shipping Name as per Shipping Information column of chart (Example shown is for Lubricating Oil)

All contact numbers must be completed

EnCana is responsible to complete all of Part A of the manifest (Red Area)

Waste Source Information (Must be complete and accurate)

Intended Receiver Information (Must be complete and accurate)

Physical State of waste: Solid (S) Liquid (L) Gas (G)

Signature and contact number must be completed

### MANIFEST - MANIFESTE

This Manifest conforms to all Federal and Provincial transport and environmental legislation requiring manifesting.  
Ce manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport, requérant un manifeste.

Manifest Reference No. / N° de référence du manifeste **1804341-4**

<b>A Consignor (Generator) / Expéditeur (Producteur)</b> Provincial ID No. / N° d'id. provincial <b>ABG1665</b>		<b>B Carrier / Transporteur</b> Provincial ID No. / N° d'id. provincial		<b>C Consignee (Receiver) / Destinataire (Réceptionnaire)</b> Provincial ID No. / N° d'id. provincial <b>557</b>	
Company name / Nom de l'entreprise <b>EnCana FCCL Oilsands Ltd.</b>		Company name / Nom de l'entreprise <b>Winterhawk Enterprises Ltd.</b>		Reference nos. of other Manifest(s) used / N°s de références des autres manifestes utilisés	
Mailing address / Adresse postale City / Ville Province Postal code / Code postal <b>Box 2850 Calgary AB T2P 2S5</b>		Address / Adresse <b>P.O. Box 1049</b>		Consignee information same as Intended Consignee in Part A / L'information à fournir par le destinataire est la même qu'en A <input checked="" type="checkbox"/> Yes / Oui <input type="checkbox"/> No, complete the boxed area below	
Shipping site address / Origine de l'expédition <b>Christina Lake 08-17-076-06 W4M</b>		City / Ville Prov. Postal code / Code postal <b>Provost AB T0B 3S0</b>		Company name / Nom de l'entreprise <b>CCS Lindbergh</b>	
City / Ville Province Postal code / Code postal <b>Calgary Alberta T2P 2S5</b>		Vehicle / Véhicule Trailer/Rail Car No. 1 / 1 <sup>er</sup> remorque - wagon Trailer/Rail Car No. 2 / 2 <sup>e</sup> remorque - wagon Registration No. / N° d'immatriculation Prov. <b>Complete AB</b>		Address / Adresse <b>P.O. Box 1300</b>	
Intended consignee / Destinataire prévu <b>CCS Lindbergh</b>		Point of entry / Point d'entrée Point of exit / Point de sortie Carrier Certification: I declare that I have received waste as offered by the consignor in Part A for delivery to the intended consignee and that the information contained in Part B is complete and correct. / Déclaration du transporteur: J'atteste avoir reçu les déchets offerts par l'expéditeur dans la partie A en vue de leur livraison au destinataire choisi et que les renseignements inscrits à la partie B sont exacts et complets.		City / Ville Province Postal code / Code postal <b>Elk Point AB T0A 1A0</b>	
Address / Adresse City / Ville Province Postal code / Code postal <b>P.O. Box 1300 Elk Point AB T0A 1A0</b>		Year / Année Month / Mois Day / Jour Name of authorized person (print) / Nom de l'agent autorisé (caractères d'imprimerie) <b>0 7 1 0 2 2 BOB</b>		Receiving site address / Destination de l'expédition <b>05-26-056-05 W4M</b>	
Receiving site address / Destination de l'expédition <b>05-26-056-05 W4M</b>		Signature <b>BOB</b>		City / Ville Province Postal code / Code postal <b>Elk Point AB T0A 1A0</b>	
City / Ville Province Postal code / Code postal <b>Elk Point AB T0A 1A0</b>		Tel. no. / N° de tél. <b>(250) 785-4000</b>		Date received / Date de réception Time / Heure <b>0 7 1 0 2 2 3:30</b> <input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M.	
Physical state / État physique <b>L</b>		Shipping name of waste / Appellation réglementaire du déchet <b>Lube Oil</b>		Quantity received / Quantité reçue <b>500</b>	
Waste identification / Identification du déchet Provincial No. / N° (Quebec-Ontario only) / (Québec-Ontario seul) TDG/PI/N LTMD/NIP <b>UN 3082</b>		Quantity shipped / Quantité expédiée <b>500</b>		Units L or ou kg / unités <b>L</b>	
Environmentally Hazardous <b>Liquid N.O.S.</b>		Classification <b>3(8) III</b>		Packaging Codes <b>3 02</b>	
Special handling/Emergency instructions / Manutention spéciale/instructions d'urgence <input type="checkbox"/> Attached CI-jointes <input type="checkbox"/> Below CI-dessous		Circulation no. - Quebec only / N° de circulation - Réservée au Québec		Identify any shipment discrepancy problems. Attach addendum if necessary / Indiquer toute différence relative à l'expédition. Annexer une feuille au besoin.	
Date shipped / Date d'expédition <b>0 7 1 0 2 2 12:30</b> <input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M.		Scheduled arrival date / Date d'arrivée prévue <b>0 7 1 0 2 2</b>		Handling code / Code de manutention <b>04</b>	
Consignor Certification: I declare that the information contained in Part A is correct and complete. / Déclaration de l'expéditeur: Je déclare que tous les renseignements à la partie A sont vérifiées et complets.		Signature <b>Bill</b>		Decontamination / Décontamination Yes / Oui No / Non	
Name of authorized person (print) / Nom de l'agent autorisé (caractères d'imprimerie) <b>Bill</b>		Tel. no. / N° de tél. <b>(403) 290-3833</b>		If handling code "Other" (specify) / Si code de manutention "d'autre" (spécifier) If waste to be transferred, specify intended company name / Si les déchets doivent être transférés, préciser le nom de la compagnie destinataire	
MOE 04-1917 (06/99)		Instructions for completion and distribution on reverse / Instructions pour compléter et distribuer au verso		Copy / Copie 1 (white / blanche)	

If Hazardous Waste must use proper TDG Shipping Name as per "Shipping Information" column of chart (Example shown is for Well Workover Fluids)

Packaging Codes listed on reverse of manifest

DO NOT WRITE IN THIS AREA  
 NE PAS ÉCRIRE DANS CET ESPACE