

Appendix 5

Minutes of PMT Meetings

**Resolution Island Project
2005 Field Season
Project Management Team Meeting**

Date:
June 28th, 2004
19:00 hrs

Present at the meeting:
HF: Harry Flaherty - QC (Chair)
DL: Dave Lorenzen - QC
JE: Joe Erkidjuk - QC
JG : Jeremiah Groves - QC
CR: Caroline Rennie - QC
JP: Jason Porter - EBA
AB: Andrew Bullion - QC
AR: Allison Rutter - ASU
KM : Kevin McKenna - ASU
PS: Philippe Simon - QE
CM : Celine Mercier -QE (minutes)

Location:
Conference Room,
Resolution Island, Nunavut

Item	Issue	Actions
1	<p>HF: Welcome everybody. Summarizes mobilization activities: Arrived on site on June 16. Recalled to everybody that the main goal for this season is the Tier II landfill completion. A meeting took place in Ottawa in October 2004 and January 2005 regarding the tasks to be accomplished during the 2005 field season. Would like during this meeting to go task by task for everybody to know the status to date.</p> <p>Everybody agrees that the PMT meeting should be conducted biweekly.</p>	<p>PMT meetings to be held biweekly</p>
2	<p><u>Gravel Production Requirement</u> - PS: about 2400 m³ of type 4 are theoretically needed to protect the membrane. Large amounts of clean soils (Type 1 et type 2) will also be necessary later to cover the top of the landfill (16 000 m³).</p>	
3	<p><u>Gravel Production Operation</u> - HF: We don't have enough Type 4 gravels for the 2005 season; the screening activities at Radio Hill will be started. Pit 9 (Airstrip Pit) will also be operated. Old water Lake is not accessible yet.</p>	
4	<p><u>Tier II Landfill construction</u>- HF: What's the update on the sand layer? PS: 2000 m³ of sand have already been hauled to the landfill. HF: there are different levels of sand, it must be levelled; the levelling is done using markers. There are also water blisters underneath a few patches (2) on the membrane. JP: As the welding specialist is scheduled to come and repair the membrane, I suggest to make holes in the membrane where water has accumulated underneath to drain it properly and to facilitate the sand layer covering. PS: The sand layer must not be compacted.</p>	
5	<p><u>Tier II Landfill filing</u> - HF: where should we begin? JP: we should begin by building a 1 m thick road with Tier II soil to enable access for the dump trucks inside/onto. Then a layer of 2 feet of Tier II soil will be spread in two steps: 1 foot not to be compacted and 1 additional foot on top to be compacted using the Cat compactor.</p>	

6	<u>Thermistor/Benchmark installation</u> - PS: the 2 thermistors have been installed on berm today.. The casing, grounding rod and data logger will be installed during final gravel covering. Two permanent benchmarks were also installed as per specifications near the Tier II landfill. 2 metres boreholes were drilled on bedrock. A steel pipe was inserted and will be grouted. Two remaining thermistors will need to be installed within the landfill (instead of 4 as defined in the workplan) once filled with Tier I/II contaminated soil. AR: Lou wants two more monitoring wells located downstream the contaminated area at the maintenance dump Tier II. HF: the driller is already on site, boreholes could be done tomorrow. All agree. PS: will check if there's enough material (piping, sand, bentonite, casing).	Monitoring wells at maintenance dump will be drilled on July 29th
7	<u>S1/S4 Beach CEPA/Tier II/I soil excavation</u> - DL: The access road has been built to reach remaining CEPA soil. First CEPA soil loads were excavated and hauled to the screener (2 loads). HF: an estimate of 250 m ³ was planned to be excavated but more tests should be undertaken. AR: sampling will be undertaken. HF: we need the results as soon as possible to go on excavating. KM: results can be provided tomorrow. HF: the excavator is mobilized in the area. While waiting for ASU results, HE will start stockpiling Tier II soil starting from the higher end, stockpiling on its way down.	KM: results from samplings will be provided tomorrow
8	<u>Beach dump</u> : HF: This activity could not start until Queen's is on site. We need a map from Queen's and the area to be roped before we start this activity. AR: Excavation scheduled for the second week of July. Need to send samples south. Debris on top of soils should be removed first to allow testing. HF: Debris will be removed as per Queen's request.	AR: to put limits at beach dump
9	<u>Maintenance dump (Tier II)</u> – AR : The contaminated area is still roped. Excavation should not be a problem. As mentioned earlier, INAC wants 2 monitoring wells to be installed down gradient.	HF, AR: walk this Tier II areas
10	<u>North slope dump</u> - AR: This contaminated area contains a very thin layer of soil; we should take more samples. The debris is located approximately 15 m after the stain; it theoretically represents about 125 m ³ of Tier II soils but volume will likely be less. Will check with INAC (Lou Spagnuolo) whether instead of excavation, regarding can be considered as an alternative.	HF, AR: walk this Tier II areas
11	<u>PCL dump</u> : AR: Tier I/II PCB contaminated soils are located in the drainage channels and HE access shall not be a problem. HF: we need a new location for the Non-Hazardous waste and an area close to former PCL dump was proposed as an alternative. It's necessary to have a walk there tomorrow. AR: Will check if the proposed area has contaminated soils. Alison suggested the North slope dump, as it has no drainage p' way.	HF, AR: walk this Tier II areas

12	<u>Helipad (Tier II)</u> : HF: This area of concerns is located on the slope close to the main camp road near NWS's helipad; 95 m3 of tier II and 200 m3 of Tier I were estimated. The excavation areas will need to be backfilled. Even if it is DND's property, an agreement must have been made with INAC since this activity is part of our workplan. ASU will need to confirm/rope the excavating area.	HF, AR: walk this Tier II areas
13	<u>S1/S4 valley Tier I/II</u> - HF: Are most of the Tier II materials already stockpiled? AR: Yes. DL: I suggest building an access road in the valley below the buildings. HF: we need to have a look at this area this week to have a better idea. Is the area marked? AR: We have to get into there and get it marked; but QC could start by hauling the piles. More CEPA soil might be found at depth upstream of Queen's first barrier.	HF, AR: walk on S1/S4 valley Tier I/II
14	<u>Containerized Tier II contaminated soil in Wooden boxes</u> - PS: these soils are contaminated with mercury, nickel and lead. EBA has provided a protocol to landfill them: cut the straps, open the boxes and then compact them. They must be located at least 3 m in from the berms. CM is aware of the protocol for the "non-soil" debris. Soil and debris have to be mixed to make sure there are no voids to minimize potential settlement. JP: It's important to avoid voids to avoid settlement. PS: It's better if debris is shredded to minimize risk of settlement.	
15	<u>Sealift</u> - PS: I received an e-mail from Greg Johnson who's monitoring this activity from Montreal. The NEAS ship is being loaded and is scheduled for the 5 th or 6 th of July (steel containers, membrane, geotextile for the landfill, POL and HE parts). HF: Wet lift is scheduled for July 21 th . Last May, during a site investigation, it appeared that manholes were opened and diesel fuel might has been contaminated with water. Protocols were developed to clean the fuel (remove any water), clean tanks, and ensure health and safety. A specialized crew should be on site within a few days to conduct this task.	
16	<u>Red vaults</u> - HF: Based on an INAC decision, red vaults are considered as Tier I waste (steel containers and soil containerized) and as such can be placed in a NH waste landfill. However, the beach NH landfill is close to its full capacity. QC has requested INAC to decide whether a new NH waste landfill (PCL area) can be developed.	Awaiting from INAC for a new NH waste landfill development
17	<u>CEPA containers (65) and PCB management</u> : HF: this activity is scheduled for the middle of July. We have about 150 PCB containers that will arrive with the sealift. HF: some drums must also be removed from seacans. AR: testing will have to be made down south to determine the disposal alternatives for thr content of these overpack drums.	
18	<u>TPH East beach tank</u> AR: about 25 m3 will need to be excavated and hauled to the landfarm. PS: As part of a McGill research project, 5 small steel containers will need to be filled with those soils for south shipping. The pad underneath the imploded tank should also be tested by ASU. AR: Should HC contaminated soil be found from underneath the imploded tank, it should just be hauled to the landfarm.	

19	<p><u>Other activities</u> - HF: the imploded tank has been demolished, the pump house at the beach has also been removed and the 2 pump houses past the furniture dump too. There were 2 winches with oil in them oil in a container. Tests from Queen's are required.</p> <p>AR: What about the covering of the airstrip? PS: It has been done last season. HF: about 2000 m³ of type 1 was placed and compacted. PS: The area was inspected in 2005 and appeared very stable. AR: Will have a look.</p> <p>JP: Fine material of Tier II is first required on the sand layer. HF: We need to identify most Tier II in the S1/S4 Valley. HF: can we begin the backfilling even if the sand is not finished? JP: Yes QC can. PS: We will need about 4000 m³ of Tier I on top of Tier II soil to fill the entire Tier II landfill capacity. JP: We'll need less than 4000 m³ of Tier I, just a small Tier I contaminated layer is required. HF: I need a clarification about what kind of layer we need to cover the landfill. QC and ASU agree that not segregating Tier I/II soil will increase the project efficiency. EBA was required to provide clarifications on filling methodology.</p>	EBA to provide clarifications on the placement of Tier II and Tier I contaminated soils
20	<p><u>Heavy Equipment department</u> - JE: the snow has been cleared from the roads. Access roads have been built (below furniture dump – old antennae debris -, PCL dump: 5 loads needed). The access to the Tier II landfill has also been improved. Hauling of screened soil to the landfill has begun. 12 operators are now on site.</p>	
21	<p><u>Medic department</u> – AB: A tank is needed for fire exercises; need to set up a fire crew. So far, a case of cuts objects in eyes and colds. PS: the wooden boxes are available for fire fighting training. AB: From arrival on site, the main activity was to refurbish the medic rooms – roof water leaks, furnace fuel minor spills. HF: we need a confirmation on the building status before any fire training is done on those. Pierre will arrive soon to replace Philippe (interim) as safety officer. HF: When will the safety committee takes place? AB: The safety committee will take place on next Monday.</p>	
22	<p><u>Camp</u>- CR: 47 people are in the camp for a maximum capacity of 67. Rotation schedule, project administration and office support is now being done from the Island.</p>	
23	<p><u>Queen's</u>: HF: AR: Two students from Queen's had a training for a couple of weeks in Kingston. Once on site, trainee should help in Queen's activities, like last summer.</p>	
23	<p><u>Next meeting</u> - HF: Next meeting will take place on July 13th unless on-site emergencies occur before. So far everything went pretty good (weather wise). Media requested to visit the camp; but according to schedule, limited time can be dedicated as such. Based on requests from INAC, visitors might visit the site more frequently during the 2005 season and QC will attempt to accommodate any INAC requests..</p>	
Meeting adjourned 20:30		

**Resolution Island Project
2005 Field Season
Project Management Team Meeting**

Dates: July 14 th , 2005	Present at the meeting: HF: Harry Flaherty - QC (Chair) AB: Andrew Bullion – QC PSF: Pierre Sansfacon – Stabilis PB : Pierre Bergeron - Stabilis KP: Krysta Paudyn– ASU LS: Lou Spagnuolo - INACS CM : Celine Mercier -QE (minutes)	Location: Conference Room, Resolution Island, Nunavut
Date: July 15 th , 2005	Present at the meeting: HF: Harry Flaherty - QC (Chair) JE: Joe Erkidjuk – QC RX: Rosemary Ipeelie - QC AB: Andrew Bullion – QC PSF: Pierre Sansfacon – Stabilis PB : Pierre Bergeron - Stabilis KP: Krysta Paudyn – ASU LS: Lou Spagnuolo - INACS CM : Celine Mercier -QE (minutes)	Location: Conference Room, Resolution Island, Nunavut
Item	Issue	Actions
	June 14th, 7:00 pm	
1	<p>HF: Welcome everybody to the second biweekly PMT meeting. Welcome to Lou Spagnuolo from INAC. Let's go to the draft of the last PMT meeting minutes; let us know if there are some corrections.</p> <p>KP: I have two corrections from Kevin concerning the items 8 and 11.</p> <p>HF: minutes accepted with appropriate corrections. The meeting should have been done on Tuesday but was postponed until Lou Spagnuolo's arrival on site. I propose to go through the workplan.</p>	<p>Corrections taken into consideration</p>
2	<p><u>Gravel Production Requirement</u> - CM: about 3000 m³ of type 4 have been produced at Radio Hill, essentially to cover the landfill with the sand layer. At Airstrip pit, about 6700 m³ of gravel and reject rocks from the screener were produced all together. HF: we need to make the difference between gravel and reject rocks.</p> <p>Call on the radio: the cargo (sealift) is being unloading on the beach area.</p> <p>HF: We have to postpone the meeting until tomorrow morning 7:30 am. Our presence is necessary there.</p>	<p>Assumption of both gravel and reject rocks quantities</p>
	Meeting adjourned at 7:30 pm	
	June 15th, 7:30 am.	
1	<p>HF: Welcome everybody. The sealift finally arrived and obliged us to postpone the yesterday meeting. Ask for an update of clean soil production and Tier II landfill running.</p>	

2	<u>Radio Hill</u> - CM: about 3000 m ³ of type 4 have been produced to build a layer of sand at the bottom of the landfill. One layer of 0,3 meter not compacted and one layer of 0,3 meter compacted.	
3	<u>Airstrip Pit</u> - All together (gravel and reject rocks from the grizzly) about 6700 m ³ have been excavated but things have to be clarified because it seems there's a confusion between the different appellations Pit 7,Pit 8 and Pit 9 on the log sheets. I'll provide you an assumption of the current volume of gravel and rocks in the following days.	Assumption of gravel and reject rocks production CM to follow up
4	<u>Tier II Landfill construction</u> - CM: 2900 m ³ of Type 4 soil were used to build the Tier II landfill first layer. A layer of one foot was spread.	
5	<u>Tier II Landfill filing</u> – CM: As per specifications (procedure provided to the attendants) a layer of tier II soil was spread before the landfilling of the non soil debris. So far all the debris except reject rocks and some metal debris have been hauled and landfilled. HF: due to the holes in the membrane we began the landfilling of the east side of the landfill. CM: what to do if we are short of Tier II: reject rocks have to be mixed with soil before compaction. HF: as recommended by EBA we will use tier I.	
6	<u>Monitoring wells</u> : KP the wells in the Tier II landfill area have been sampled; the results will be released in 3 weeks. PSF: Concerning the remaining monitoring well downstream the maintenance dump, we did not succeed in removing water and mud inside, even with the vacuum truck. We suggest to wait for the arrival of the driller specialist (two remaining thermistors have to be drilled in the landfill) and ask him to dig it again.	One monitoring wells at maintenance dump will be drilled again
7	<u>S1/S4 Beach CEPA/Tier II/I soil excavation</u> - CM: so far 1100 m3 of Tier II soil have been excavated and hauled to the landfill. HF: Tier II excavation was completed yesterday and need sampling's results from Queen to know if there's more to excavate.	
8	<u>Beach dump</u> : HF: the excavation of Tier II soil will be initiated today. All drums have been removed, most were empty but some were full (very strong odour). They have been disposed in a flower pot by the shredder. Due to samples made 3 years ago they are not considered as dangerous waste.	
9	<u>Maintenance dump (Tier II)</u> – HF: It will be one the last area to be excavated.	
10	<u>North slope dump</u> - HF: Contaminated soil has been excavated two weeks ago and stockpiled. To be hauled to the landfill today.	
11	<u>PCL dump</u> : HF: Tier II have been excavated yesterday and hauled to the landfill: completed. Tier I remains in PCL.	
12	<u>Helipad (Tier II)</u> : KP: This area has been marked. HF: this will be one the last area to be excavated (access road).	

13	<u>S1/S4 valley Tier I/II</u> – CM: so far about 4000 m ³ of Tier II soil and debris have been landfilled. HF: we will need to know the difference between soil and debris. CM: I'll provide you the assumption of Tier II and debris landfilled. KP: concerning the strategy adopted for the excavation in S1/S4 valley: first the stockpiles were hauled to the landfill, unless frozen. LS: what about the foundations of the billboards. Are there any worries due the excavation underneath? HF: foundations are deep enough. LS: How many m ³ remaining? HF: a few thousands. But in certain areas due to difficulties of access, we have to combine Tier I and Tier II; it represents small volumes. LS: how much CEPA remaining in this area? HF: about 20 m ³ . I expect more CEPA soils in this area. Moreover the start up of the screening of CEPA is scheduled for next week.	
14	<u>Containerized Tier II contaminated soil in Wooden boxes</u> - CM: All the wooden boxes have been hauled and landfilled as per specifications. KP: what about the 5 remaining wooden boxes on the beach area? HF: they contain Oil HC and will to be shipped south in steel containers.	
15	<u>Sealift</u> – HF: they arrived on Tuesday 12 th before 9 pm and took off. They came back the following morning at 10 pm and took off again. Finally I had a talk with the captain who complained about waves of about 3 m. We just had to wait for them. Yesterday they anchored at another place, the harbour down Pit 9. Fortunately Lou Spagnuolo from INAC was there as witness. I would be surprised if they charge us surcharges. CM: 7 pallets are missing; I sent an email to Greg. HF: we have to know how to get the missing material and what happened to it.	Need to know what happened to the missing items and how to get them back
16	<u>Red vaults</u> - HF: we will start in a couple of days the landfilling of the red vaults. Do we have to take samples on the surface of the empty boxes? LS: yes KP: they are non-hazardous soils at Tier 1 level or under. LS: the content/Red vaults will go in the NH landfill.	
17	<u>Fuel tanks</u> : PB: at the beginning of the filtration we had 80 000 litres. At the end of the two successive filtrations we have 74 000 litres. HF: So we only lost 6000 litres (2000 litres of water in it). HF: Is this remaining fuel going to be incinerated? PB: yes it will be incinerated; the incineration platform started up yesterday. HF: how many gallons per hour for the incinerator? PB: about 35 gallons/hour. The filtration process of the fuel tanks has been finished yesterday; I just need to clean up the tank 1. HF: we need about 10 000 litres per week for the heavy equipment and the generator -if filled once a week-. LS: so you need all together 20 000 litres of fuel per week. HF: we have enough fuel for 3 to 4 more weeks.	
18	<u>B2 building</u> : KP: the samples results will be released in two weeks.	
19	<u>Landfarming</u> - KP: the large landfarm across the Landfill needs to be aerated-mixed so we will need QC to help us with heavy equipment. HF: Dave will assist with the landfarming.	
20	<u>CEPA soil in S1/S4 valley</u> - HF: Based on an email of Alison, as soon as the CEPA soils have been excavated, we'll need to shovel the remaining. Such small amounts don't need to be vacuumed.	

21	<u>Medic department</u> – AB: since last meeting, some hand injuries; one injury caused by an ATV but nothing serious, some colds and coughs.	
22	<u>Health and safety officer</u> - PSF: everything has been set up in case of fire; we're waiting for fittings. The water truck has been equipped. Two incidents were reported with the same person; this person is not allowed to drive ATV on the camp anymore. The next meeting for the fire crew is scheduled on next Sunday.	
23	<u>Queen's</u> : KP: two drums were found by Quonset Hut : 001 and 002. They will be shipped south. Furthermore we have to sample the drums in seacan 3 which contain wrangler material.	Bergie to assist Queen's
24	<u>INAC</u> : LS: A few visitors are expected at the following dates: July 19 th , August 2 nd , 8 th or 9 th , 11 th and 15 th . <ul style="list-style-type: none"> • July 19/05 – inspection by Senior INAC representative – date may change; • August 2/05 – drop off 3 people from CWS to a Island near RI • August 3/05 – Health & Safety inspection – day trip by two INAC representatives • August 8-9 – Radio Island Inspection – 6 people day trip, • August 11/05 – media tour • August 14.05 – pick up CWS crew from the island. • August 16, 05 – working group tour – 14 people – charter. 	
25	<u>QE</u> : CM: What about the 4 tanks by the billboards overlooking S1/S4 valley? LS: they are non hazardous waste and will be landfilled in a non-hazardous waste landfill.	
26	<u>Next meeting</u> - HF: Next meeting will take place on July 29 th .	
Meeting adjourned 09:00am		

**Resolution Island Project
2005 Field Season
Project Management Team Meeting**

Dates:
August 6th, 2005

Present at the meeting:
HF: Harry Flaherty - QC (Chair)
JG : Jeremiah Groves – QC
MH : Mario Hardey - Stabilis
KM: Kevin McKenna– ASU
SC: Shane Collins – EBA
AB: Andrew Bullion – QC
JD: Jacques De Rome – Stabilis
CB : Cathy Baptista -QE (minutes)

Location:
Conference Room,
Resolution Island, Nunavut

Item	Issue	Actions
	August 6th 2005, 3:30 pm	
1	HF: Welcome everybody to the third PMT meeting. Welcome to Shane from EBA and Jacques for Health & Safety (filling in for Pierre during his time off) and Mario (Stabilis). Review of the (draft) last PMT meeting minutes; HF: minutes accepted with appropriate corrections.	Corrections taken into consideration (items 11, 16, 19, 23)
2	<u>Gravel Production</u> – HF: The predictions were 8,000 m ³ for Radio Hill. How much has been excavated? CB: according to load logs, approximately 3,900 m ³ of type 4 has been produced at Radio Hill. HF: Hauled about 1200 m ³ to landfill. How much is still stockpiled? CB: About 2,500 m ³ . HF: How much more do we need for the landfill? SC: The cover specifications are currently under revision. The revisions should be in on Tuesday at the latest. HF: The objective was 12,000 m ³ for Airstrip Pit and Old Water Lake. We should be about 5,000 m ³ excavated at Airstrip. CB: Correct. The load logs indicate about 5,900 m ³ . Approximately 1,800 m ³ of uncompacted type 2 was hauled to the landfill, according to the load logs. HF: How much more do we need for the landfill? CB: With an unrevised 1m cover, 6,400 m ³ will be needed. HF: Don't have much at Airstrip now. CB: according to the load logs we should have about 2,500 m ³ stockpiled. HF: Please recalculate. CB: Will take a survey. HF: We can no longer excavate at Airstrip Pit (Pit #7) due to permafrost. Excavation has begun at Old Water Lake.	CB to measure Airstrip stockpile
3	<u>Relocation of Grizzly to Old Water Lake</u> : HF: This was done last Tuesday (August 2 nd).	
4	<u>Tier II Landfill construction</u> - HF: 100% completed	

5	<p><u>Tier II Landfill filling</u> – HF: Shane are you satisfied with the work. SC: satisfied with what I saw.</p> <p>CB: According to the load logs about 8000 m³ of Tier II was hauled to the landfill and approximately 3700 m³ for Tier I (vs. 3000 m³ when compacted). HF: Another 2300 m³ of type 2 was used and a layer of 0.2 m of type 4 was added on top (about 1200 m³). SC: Bit more then 0.2m. It looked more like 0.4 m.</p>	
6	<p><u>Tier II Landfill Construction (Closing)</u>: HF & CB: Z-tech have been confirmed for Monday. CB: In the meantime, we have to remove the soil covering the geotextile on the berms. The geotextile cover can also be started. HF: Have been waiting for the weather to get better.</p>	
7	<p><u>Thermistor installation</u>: CB: Sonic started to drill on Friday. Could drill past 1.5 ft – pretty consistent layer since 9 different locations were tried. Shane was on site to witness the drilling. SC: It appeared to hit rock. Perhaps the soil is behaving like concrete. That drill won't work. Although I am surprised. That drill should have been fine. Never would have guessed it without having witnessed it. A faster, heavier drill is needed.</p> <p>HF: Alternatives? CB: E-mailed Bill on the subject. HF: How about air-track? CB: The air-track was thought to be too powerful, usually used for bedrock or frozen soil. HF: We will try something else. We will do it manually with the grapple and a modified bit from Sonic. Tonight after supper. We can't just wait around without trying something.</p>	Grapple with Sonic augers will be used tonight to try to drill thermistors.
8	<p><u>S1/S4 Beach CEPA/Tier II/I soil excavation</u> – HF: 144 m³ of CEPA. How many flowerpots were filled this year? CB: 107 in total. HF: The grapple is putting the boulders back to avoid mud slides. Will return later to help Queen's install their barrier. 1100 m³ for the Tier I and 1400 m³ for the Tier II.</p>	
8	<p><u>Beach dump</u>: CB: according to load logs about 500 m³ of Tier II and 550 m³ of Tier I were hauled. HF: That seems rather low? CB: Yes. I agree. Dave really fills up his trucks, so these values are much underestimated.</p>	
9	<p><u>Maintenance dump (Tier II)</u> – HF: 180 m³ of Tier II. KM : Colbalt results are in. Results ok.</p>	
10	<p><u>North slope dump</u>- HF: About 20 m³ – close to estimate (35 m³)</p>	
11	<p><u>PCL dump</u>: HF: About 240 m³ of Tier I and 3 loads of Tier II.</p>	
12	<p><u>Helipad</u>: The Tier II was about 2 loads and the Tier I about 20 loads.</p>	

13	<p><u>S1/S4 valley Tier I/II</u> – HF: This Valley has taken us years to clean up! 6,000 m³ of Tier II and 2,500 m³ of Tier I were hauled out this year. One area was inaccessible (Tier II) below the Billboards and was covered with 1 m of clean fill. The only area that is left is next to the Officers' mess. It will be covered because it is not worth covering up. KM: There is a small section just below that still needs to be dealt with. HF: I walked over to it with Alison when she was here and she agreed that it should be left as is. Did the same with Krysta. KM: OK.</p> <p>HF: CEPA was also found below some Tier II – about 5-6 truck loads from two areas. The presence of CEPA should be made more evident in the Status Report.</p>	XXXX
14	<p><u>Debris Collection</u> – HF: On-going. JG: Crew worked mostly at Old Water Lake. All the old pipes, water lines have been collected. At the Beach we had trouble with the old diesel line – the spilt diesel was collect in 45 gallon drums. Currently in the process of hauling debris next to the shredder. Radiohill and the Billboards will be the next areas plus 98 drums. HF: Not much is left except hauling to the (NH) dumps.</p>	
15	<p><u>Camp & Beach Non-hazardous Landfills</u> – HF: The NH landfill at the beach has been extended. The red vaults will be buried there. Debris are being hauled there. The rest will go to the camp landfill.</p>	
16	<p><u>Excavation & containerisation of Heavy HC soils:</u> HF: Dave started there this morning. Queen's marked off the area. Will fill about 20 containers. KM: It's not very deep. The other area by the pond will also have to be excavated although it wasn't in the season estimate. HF: It will be excavated. It is especially important since it is so close to the water.</p>	
17	<p><u>POL Incineration:</u> HF: 11,100L of POL have been incinerated until now. MH: More drums have been found – 50 drums. Will coordinate with JG's team for collection. Some are inaccessible by boom truck. HF: How long will the incineration take? MH: If all the drums are full, it will take 5 days. The incineration equipment has been tested and is ready to go. HF: Can the incineration equipment be removed in 2 weeks? MH: Yes, if we have the drums ready. Don't need all of them to start incineration. HF: Planning for the dismantling of the POL tanks – need to clear out the area first.</p>	

18	<p><u>HWM: HF:</u> The red vaults are being moved to the NH beach landfill.</p> <p>KM: Alison told me that the results will be available on Tuesday for the 26 drums that were sampled (in Seacan #3). HF: How about the results from the other drums- PCL, S1/S4 Valley, Old Water Lake? KM: Old Water Lake can be incinerated. PCL was mis-sampled (barrel was missed at PCL, two other barrels were drained into another drum, all three were sampled). Another sample will be sent out on the next helicopter. For the S4 drum, not enough volume was sent for the analysis. We will send some more out.</p> <p>MH: There are Quatrex wranglers that are not identified – one behind the camp generator and 8 next to the Queen's landfarm plots. How are they to be disposed?</p> <p>KM: What are we to do with the waste wrangler in front of the ASU lab. HF: Wasted Tyvex suits go to the camp landfill. KM: Ok.</p> <p>MH: The drum RI-04-H018 (1/3 full) has lead contamination and has to be shipped south in an oversize drum. No oversize drums are available.</p> <p>MH: According to Pierre Bergeron, the flowerpots can not be used for the batteries. Will wait for confirmation from Jacques Dion.</p> <p>KM: Where is the content of the two 5 gal buckets of spent motor oil (chlorine)? It is now empty. MH: I will find out from Pierre Bergeron.</p> <p>MH: What is planned for the crate behind the camp generator with paint and aerosol paint cans? KM: I don't think they can be disposed in the NH landfill. MH: will follow up on their disposal.</p>	MH to determine disposal with Jacques
19	<p><u>Excavation of Light HC:</u> HF: I need maps to plan for excavation.</p> <p>KM: The in-situ landfarm did not work. The ground was too wet. That soil then needs to be screened and placed in four 5X5X0.6 m deep plots. HF: Will look after that.</p> <p>KM: There are 25 m³ to be excavated and screened up stream of the POL next to the B2 building. These are the light HC. They have to be moved to be moved to the large landfarm next to the Tier II landfill. CB: 6 m³ have to be placed in flowerpots and sent to McGill. KM: That research project has INAC approval.</p>	KM to provide HF with maps
20	<u>B2 Floor</u> – HF: Do we have the results? KM: Of the 5 samples taken only 1 was a Tier I level detected. Alison and Lou agree that the floor can be left as is.	
21	<u>Dismantling of POL tanks</u> – HF: Will be done in 3 weeks time.	
22	<p><u>Installation of Monitoring Wells:</u> HF: When is the remaining MW at the maintenance dump to be installed? CB: Celine Mercier is scheduled to fix the remaining one when she comes up. HF: How? CB: Not sure, but I think in-house solutions are being evaluated. HF: No. We will use Canadrill. If the grapple doesn't work out tonight for the thermistors, we can schedule them at the same time.</p>	Canadrill to be contacted for remaining monitoring well (& thermistors if grapple does not work).

23	<p><u>Additional comments:</u> HF: Does anyone have anything else to add?</p> <p>KM: We have chlorinated solvent waste in drum J003 from our lab. No PCBs. The 1 drum is 2/3 full. Not sure how to dispose of it. MH: Will look into it, but need more detailed analysis of content.</p> <p><u>Medic:</u> AB: No major incidents. Mostly cold and flu-like symptoms and minor injuries (4 people flown in to Iqaluit – 2 hand injuries, 1 sprained knee and 1 sprained ankle).</p> <p>AB: SCBA bottles arrived on the 15th with other required fittings. Completion of training area for flammable liquids. One training session for structural fire with crew.</p> <p>HF: I haven't received any of the H&S meeting minutes. AB: Will provide you with them. Next meeting is scheduled for the 17th. Inspection from INAC went well.</p> <p><u>H&S:</u> JD: Have checked the alarm panel, CO, emergency lights, and eyewash stations. Everything is functioning well. Have been on the field twice a day and all the workers are wearing their PPE. Perfect.</p> <p><u>ASU:</u> No contaminated soils left! The Colbalt dump is clean. The permafrost in the Lead dump is clean. Queen's analysis on-site will mainly be of the drums that are found. Happy with QC's help with our barrier & the landfarm.</p> <p>-</p>	<p>MH to determine how to dispose ASU solvent drum.</p> <p>AB to provide HF with H&S minutes</p>
24	<p><u>Upcoming events:</u></p> <ul style="list-style-type: none"> - Tuesday August 9: Visit to Radio Island - Wednesday August 10: HF to make presentation to media - Thursday August 11: Media Tour of RI - Tuesday August 16: Charter with 16 people for INAC tour - Tuesday September 6: Sealift for CEPA soils & steel containers 	
26	<p><u>Closing comments & next meeting</u> - HF: Currently working on small details. Getting ready for demob (packing of unneeded warehouse supplies on pallets).</p> <p>HF: Next meeting will take place on August 19th (after all the tours)</p>	
<p style="text-align: center;">Meeting adjourned 4:52 pm</p>		

**Resolution Island Project
2005 Field Season
Project Management Team Meeting**

Date: August 22 nd , 2005 19:02 hrs	Present at the meeting: GJ: Greg Johnson - QE (Minutes & Chair) HF: Harry Flaherty - QC IK: Indra Kalinovitch - ASU CM: Celine Mercier - QE JE: Joe Erkidjuk - QC PS: Pierre Sansfacon - Stabilis CR: Caloine Rennie - QC PB: Pierre Bergeron -Stabilis AB: Andrew Bullion - QC	Location: Conference Room, Resolution Island, Nunavut
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Item	Issue	Actions
Review of minutes from last meeting		
1	IK: Item 19 initials are backwards last line should be KM, also 4 not 5 x 5 x .6m deep plots. Item 18 PCL was mis-sampled (note barrel was missed at PCL, two other barrels were drained into another drum, all three were sampled). Also, KM second line from the bottom, where is the content of the two 5 gallon buckets not one. No other changes, minutes are accepted.	
New Business		
2	Gravel Production: GJ: At old water lake pit 7,000 to landfill, 1,833 to radio hill and other uses. HF: As of now no other production, estimate that we have enough. What is stockpiled will be screened for road repairs, and covering the camp and beach dumps. JE All material hauled from old water lake to radio hill has all been screened. HF: Started hauling type 1 need 4,300 m ³ to complete landfill. As of 6:00 tonight we have a 1/4 of the surface of the landfill. Type 1 coming from radio hill and airstrip pit. HF: Still short on material. GJ: Should be able to get more from airstrip pit. JE: Archie says that the radio hill will be done by tomorrow night. HF: We need to produce more rejects at the airstrip pit.	
3	Tier II landfill construction: CM: Hauled 2,900 m ³ of type 4 soil to the landfill. In total 7,000 type 2 hauled 7,800 type 4 hauled. HF: Type 1 need 4,300 m ³ ? GJ: Yes. HF: Wants an update on the approvals in the landfill from EBA. GJ: Survey data has been sent to EBA for review. Shane has inspected everything and approved it. Thermistors have been installed and grouted in place, only have to configure and install the data loggers. Will be done tomorrow. CM: Who will be monitoring the data? HF: Not sure, may go out to tender. HF: As things are going now without any delays we may be finished the landfill by Friday. That would be 2 weeks ahead of schedule. Only thing that will slow us down will be	

Item	Issue	Actions
	a lack of type 1, or equipment breakdowns.	
4	<p><u>S1/S4 Valley Excavation:</u> IK: There is a patch of Tier I that still hasn't been covered near the sewage lagoon. HF: done an inspection with Allison and she says that nothing else needs to be done. IK: This area is on the other side of the sewage line. HF: this will be done next year when the sewage line was removed. IK: Allison has asked that the S4 building slab be covered with riprap. HF: According to the minutes from previous meetings we only have to use pit run.</p> <p>IK: All sediment has to be scraped out from the barrier (where the cobble stones are). This material is tier II. HF: Would like a written request from Queens, this item was not in the work plan, the barrier is Queen's responsibility, if they want this done a request will have to be made to INAC. IK: We also do not have containers to put this material in. HF: We do not have any responsibility for the barriers, Queen's should have brought in their own containers. HF: Requests IK to follow up on this with Queen's and INAC.</p>	IK to follow up on containers
5	<p><u>Beach Dump:</u> HF: Excavated to bed rock. Non-contaminated debris were hauled to Non-haz landfill and used a cover material beside the shredder. CM: What about the old rusty equipment? JE: This was completed this afternoon they are all in the dump.</p>	
6	<p><u>Maintenance dump:</u> HF: Loads were hauled to this site, still needs to be levelled.</p>	
7	<p><u>PCL dump:</u> HF: This was backfilled, compacted and reject added. Area is completed. Still have some debris along the corridor, that have to be removed, along with a big roll of cable. HF: had requested to Lou to put two old Internationals in the PCL Dump and use slope to cover them up. Lou responded that he would prefer not to put additional debris in this area. Old internationals will be brought down to the beach. JE: We will need another hole at the beach.</p>	
8	<p><u>S1/S4 beach:</u> IK to get info back to Harry on this.</p>	IK to provide info to Harry
9	<p><u>Site cleanup and debris:</u> HF: Everyone has been working non-stop and they have hauled a lot of debris. Still have to haul collapsed tower at S1/S4 valley, old maintenance building, two tanks, and imploded tank debris. HF: Jimmy Q almost filled a 45 with liquid from the two old tanks. PB to check on this.</p>	PB to follow up on drums
10	<p><u>Excavate heavey hydrocarbon:</u> HF & PB: have 31 containers filled in total. Smaller flower pots. 25 from barrel cache valley, and 4 from wooden boxes, 1 from landfill, and 1 left over from spill we had three years ago at the old incineration platform. Containers at beach still to be labelled. PB: Still need to have 1 grey flower pot for oily debris. Has 1 brown flower pot that holds sorbents, oil from the lines that were cut, sorbents. HF: thought these were going to be burned, do they have to be shipped south? PB: these have to be shipped.</p>	

Item	Issue	Actions
	south. HF: thought that these were going to be burned for fire practice. PS: can be used for fire practice, AB: we can burn all of these. HF: when draining the POL lines to the tank filled 3 x 45 gallon. PS & AB to burn these as fire practice in the next couple of days. HF: can also burn pallets. PB: can you burn the sorbents? AB: haven't tested yet. PS: these should burn for 15 minutes. HF: please test this to make sure that it can be burned before all are burned. PB: Allison told us that we landfill the ones that are not saturated. HF: Yes but they must be put in bags first. The ones from Barrel cache valley, and other ones not used for fire training need to be landfilled. PB: who is to preform this task? HF: General workers will handle this task.	PS & AB to test sorbents to see if they will burn
11	Pol tanks: HF: both are done, one Saturday, one Sunday, all in landfill already. South POL tank area have a really strong smell. Imagines this will be part of the hydrocarbon treatment for next year, will Queen's sample this? IK: Yes 3 samples to be taken from each pad.	IK to sample POL tank pads
12	PCB & hazardous waste management: PB: Flower pots are ready, have over sized drum contents to be compacted to recuperate other drums to package new material found this year. Still waiting to see how many over packs needed before compacting to reduce the amount of work. Will give an inventory to JD to make sure that he has all the needed labels. HF: how many over packs needed? PB: may need 6 or 8 over packs, has 4 now, many need 4 more. HF: waiting on results from Queens. HF: which ones? PB: 55 & 59. HF: when are we going to get the results? IK: 2 drums will come back soon. 2 others that were found today will not have results for a while. HF: suspects these are old aviation fuel. PB: have a couple of drums that can be consolidated. This is why not sure how many overpacks will be needed. Will do it tomorrow. HF: where get all drums today? 2 from airstip, 1 behind lab, 3 from old water lake, rest from Jimmy K. HF: drums from Jimmy K is all waste oil, should be burned in waste oil furnace in warehouse PB: why did he tell me to take these? PS: we took 4 pallets from beside the garage, PB: to have 3 more pallets tomorrow. AB: can be used for fire training. HF: will need these for next year, for heating in the warehouse. HF: to find if they are to be returned tomorrow. There is a miscommunication, will straighten this out tomorrow. PB: they are in the B2 building now, will be separated out. PB: have 4 drums from oil water separators, 1 wrangler of contaminated soil, no results to be considered as CEPA waste and will be shipped in the wrangler. Also still have the 4 crates of batteries. The rest of the batteries will be put into the wranglers along with the paint. HF: We have 1.5 weeks before sealift, hoping to have all containers and equipment down at the beach, and ready for sealift. Seacans to be moved down there when ready.	HF to determine what to do with drums of waste oil from garage
13	Cover S4 slab: HF: Will be compacting this area once landfill completed. Right beside the slab still have 5 power poles, long ones and drums that were left behind. Will need an access road to be picked up.	
14	Sealift of Hazardous Waste: HF this is scheduled to arrive on September 6 th	

Item	Issue	Actions
	to pick up all of the contaminants. Have until the 6 th , after this if everything is done we can all go home.	
15	<u>Packaging of material for closing:</u> Initiated this activity, Radome empty, seacans emptied, and being repacked. In next couple of days will start to identify which material will go in which seacan.	
16	<u>Monitoring Centre:</u> HF: Heating has been put in, electrical done. Pretty much done now, still have hot water tank, and a few other things that will be recycled from main camp buildings, try to do this as much as possible.	
17	<p><u>Other Business:</u></p> <p>PB what about the tar near the airstrip. HF would rather not disturb it because it may cause more problems. Will cover this near the end of the season. DL started excavating this, and this will involve the excavation of the road, and part of the airstrip. Will cover all of this up.</p> <p>IK: what about the monitoring well at the maintenance dump? GJ: to be installed next week once material arrives on site.</p> <p>IK: Would like to advise that they will need heavy equipment to turn over the soil at the landfarm next to the landfill sometime next week. HF: once the landfill is completed we will have equipment available for this task.</p> <p>IK: Would like to give thanks for the excavation work that Dave helped us. It was amazing work. Short on rocks. HF: everyone is unfortunately. HF will make AB available to help with collecting rocks, and filling gabions. Can use ATV's with winches to bring trailers in and make moving rocks easier. HF: We cannot supply rocks as we are also short. Will try to help as much as possible. HF: If anyone has any ideas to help he is open to them. AB & PS to help out.</p> <p>PB: Will need help tomorrow. HF: can use some juniors have a lot right now.</p> <p>JE: everything already said. Watching the POL tanks go down was something else. All in the landfill at the beach, All old vehicles from the beach lead dump in landfill. Found a new hole for rest of equipment in camp. Seems like most of the guys have been working hard, and everyone else has been helping, makes things easier. Good to have the photo shoot this morning, everyone really appreciated. HF to print out pictures for everyone. JE: Thank you for everyone's help.</p> <p>AB: AB nothing major to report, colds coughs and minor things. One person sent home due to a laceration leg. Still not back to work. Another with a laceration on foot, no work missed. Fire crew training and H&S meetings have been going well.</p>	HF to have HE to turn landfarm soil

Item	Issue	Actions
	<p>CR: we seem not to spending as much this year. Only at 48% of budget. Even heavy equipment doesn't need as much. Hardly over in any areas. Helicopter costs have not yet been included. HF: how many people in camp? CR: 59 HF: estimate with rotation that we will have 50 in the next two weeks. Starting now people who are leaving will not be coming back. HF: we had a problem with the helicopter for a week and half. Started Aug 6th and continued for a week and half. Have gotten caught up with the back log.</p> <p>PS: Nice weather make things more fun. Less & less warnings given. Gives more time to help out in other places. PPE room is clean. Good cooperation from workers to keep everything clean. Decon trailer has been emptied. Even blue containers have been emptied. Only problem seen is people doubling on the quads from the training centre. Now everyone is even wearing a face shield when cutting. HF: have an inventory for all the fire equipment? PS: yes done every week. HF: all of these supplies will not be packed this year, as they will needed next year. SCBA bottles to be shipped out for inspection. Will check on masks?</p> <p>HF: has noticed in the past month that everyone has come together as a group, and everyone is helping each other and working closely together, and trying to accommodate each other. A week ago we were a week and a half behind schedule. Now we are back on schedule, and even at least a week ahead of schedule. Radio Island visit has been rescheduled for the 29th of August. The charter that came in last Tuesdy and had INAC, DFO, Env Can representatives (11 people total). They are also touring all of the other sites, this was the first stop. They were impressed and some of them provide the funding, and get to see this site and how the money has been spent in the last 8 years was very good. Media visit was delayed due to weather. LS said that they weren't going to bother with them anymore. Would like to bring the media in just before the end of the season to show all the work has been done. Will be working on before and after posters of the areas cleaned</p> <p>GJ: Have only been on site for a little over a week, Everyone has worked very hard, landfill almost completed, site looks a lot cleaner. Everyone has been working together and this has been a very successful season.</p>	
19	<u>Next meeting</u> - HF: On September 7 th following the sealift for Hazardous materials.	
Meeting adjourned 20:30		